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Patterns on a Hundred Chart

Use the hundred chart. Tell whether the number is odd or even.

1. 34  
2. 15  
3. 82  
4. 23  
5. 19  
6. 35  
7. 82  
8. 5   
9. 89  
10. 28

Use the hundred chart.

11. Start at 2. Skip-count by twos. Move 12 skips. Where are you? Is it odd or even?


Mixed Review

Find each sum or difference.

13. \[6 + 4 + 1 = \]
14. \[3 + 4 + 2 = \]
15. \[26 - 10 = \]
16. \[8 + 4 + 2 = \]
17. \[8 + 2 + 9 = \]
18. \[45 - 5 = \]
19. \[30 + 10 = \]
Understand Place Value

Write each number in standard form.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

4. 300 + 40 + 9
5. 100 + 60 + 3
6. 700 + 90 + 9
7. seven hundred eighty
8. six hundred thirty-two
9. 5 hundreds 6 ones
10. two hundreds 4 tens eight ones

Write the value of the underlined digit.

11. 736
12. 341
13. 750
14. 408

Mixed Review

Add or subtract.

15. 88
16. 34
17. 35
18. 72

− 24
+ 52
+ 6
− 42

19. 64
20. 32
21. 18
22. 81

− 24
− 7
+ 18
+ 11
Understand Numbers to 10,000
Write in standard form.
1. 

2. \(8,000 + 600 + 20 + 1\) 3. \(2,000 + 400 + 20 + 9\)

4. \(3,000 + 500 + 7\) 5. \(1,000 + 900 + 80 + 2\)

Write in expanded form.
6. 5,083

7. 6,493

Write in words.
8. 7,210

9. 503

Mixed Review
Add or subtract.
10. \(18 - 7 = \) 
11. \(13 + 7 = \) 

12. \(12 + 4 = \) 
13. \(15 - 9 = \)
Understand 10,000

Write in standard form.

1. $30,000 + 5,000 + 300 + 20 + 1$
   
2. $40,000 + 9,000 + 400 + 70 + 2$
   
3. $20,000 + 3,000 + 500 + 6$
   
4. $80,000 + 800 + 8$
   
5. $70,000 + 200 + 80 + 9$
   
6. $10,000 + 4,000 + 600 + 90 + 4$
   
7. sixty-one thousand, eight hundred thirty-one

Write the value of the underlined digit.

9. $91,643$

10. $36,955$

11. $72,561$

12. $15,406$

13. $21,789$

14. $45,632$

Mixed Review

Solve.

15. $16 + 15 = \underline{}$

16. $20 - 7 = \underline{}$

17. $28 - \underline{} = 20$

18. $17 + 8 = \underline{}$

19. $31 + 12 = \underline{}$

20. $40 - 6 = \underline{}$

21. $29 - 13 = \underline{}$

22. $16 + 16 = \underline{}$
Problem Solving Strategy: Use Logical Reasoning

Use logical reasoning and solve.

1. I am a 2-digit number. The sum of my digits is 10. The tens and ones digits are odd. The tens digit is greater than the ones digit. What numbers can I be?

2. I am a 2-digit number. Both of my digits are even. Both of my digits are the same. What numbers can I be?

3. I am a number in the fourth row on the hundred chart. My ones digit is twice my tens digit. What number am I?

4. I am a number in the last row on the hundred chart. My ones digit is even. The difference between the ones digit and tens digit is 5. What number am I?

5. I am a 2-digit number. The sum of my digits is 11. The tens digit is odd. The ones digit is 3 less than the tens digit. What number am I?

Mixed Review

Write in expanded form.

6. 3,456

7. 9,205

Find the missing number.

8. 12 - ____ = 3
9. 28 - ____ = 8
10. 19 - ____ = 4
11. 8 + ____ = 17
12. 12 + ____ = 17
13. 4 + ____ = 11
Size of Numbers

Choose a benchmark of 10 or 100 to estimate each.

1. the number of doors in your home ______
2. the number of crackers in a large box ______
3. the number of hours in the school day ______
4. the number of pages in a book of sports stories ______
5. the number of players on a baseball team ______

Choose a benchmark of 25, 100, or 1,000 to estimate each.

6. the number of desks in your classroom ______
7. the number of seats in a professional sports stadium ______
8. the number of shopping carts at a large supermarket ______
9. the number of slices in a loaf of bread ______
10. the number of days in three months ______

Mixed Review

Add or subtract.

11. \[ \begin{array}{c}
73 \\
-22
\end{array} \]  
\[ \begin{array}{c}
95 \\
+46
\end{array} \]  
\[ \begin{array}{c}
82 \\
-30
\end{array} \]  
\[ \begin{array}{c}
31 \\
+15
\end{array} \]

15. \[ \begin{array}{c}
66 \\
+33
\end{array} \]  
\[ \begin{array}{c}
26 \\
+10
\end{array} \]  
\[ \begin{array}{c}
50 \\
-20
\end{array} \]  
\[ \begin{array}{c}
45 \\
+91
\end{array} \]

19. \[ \begin{array}{c}
79 \\
-42
\end{array} \]  
\[ \begin{array}{c}
88 \\
-65
\end{array} \]  
\[ \begin{array}{c}
80 \\
+44
\end{array} \]  
\[ \begin{array}{c}
92 \\
-75
\end{array} \]
Compare Numbers

Compare the numbers. Write <, >, or = in the □.

1. 256 □ 266
2. 138 □ 136
3. 161 □ 116
4. 355 □ 365
5. 856 □ 856
6. 44 □ 444
7. 3,654 □ 3,456
8. 81 □ 80

Mixed Review

Write the number in standard form.

9. 40,000 + 6,000 + 300 + 50 + 5 □
10. 20,000 + 700 + 20 + 9 □
11. eight thousand, three hundred fifty-two □
12. forty-three thousand, six hundred twenty-five □

Write the number in expanded form.

13. 17,045 □
14. 59,811 □
15. 4,906 □

Complete the pattern.

16. 25, 30, 35, □, □
17. 17, 20, 23, □, □
18. 52, 54, 56, □, □
19. 21, 28, □, 42, □
Order Numbers

Write the numbers in order from least to greatest.

1. 445, 451, 450
2. 456, 449, 468
3. 470, 462, 468
4. 221, 210, 235
5. 305, 275, 255
6. 246, 232, 310
7. 2,326; 1,503; 3,235
8. 5,609; 5,950; 4,999
9. 9,000; 7,607; 4,439

Write the numbers in order from greatest to least.

10. 165, 132, 169
11. 87, 110, 56
12. 254, 124, 304

Mixed Review

Solve.

13. \(29 + 10 + 4 = \) _____  
14. \(71 + 12 + 8 = \) _____  
15. \(53 + 11 + 14 = \) _____  
16. \(72 + 8 + 0 = \) _____  
17. \(13 + 58 + 29 = \) _____  
18. \(49 + 49 + 10 = \) _____  
19. \(79 - 31 = \) _____  
20. \(98 - 37 = \) _____  
21. \(49 - 19 = \) _____  
22. \(60 - 20 = \) _____
Problem-Solving Skill

Identify Relationships

For 1–2, use the table.

1. Peggy’s popcorn machine can make about 10,000 bags of popcorn a week. For which types of popcorn would it take more than a week to make all the bags?

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<tr>
<th>Peggy’s Popcorn Factory</th>
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<tr>
<td><strong>Type of Popcorn</strong></td>
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<tr>
<td>Butter</td>
</tr>
<tr>
<td>Plain</td>
</tr>
<tr>
<td>Caramel</td>
</tr>
<tr>
<td>Unsalted</td>
</tr>
<tr>
<td>Honey nut</td>
</tr>
</tbody>
</table>

2. One tub of kernels can make about 1,000 bags of popcorn. How many tubs of kernels does Peggy need to make caramel popcorn? Explain.

Mixed Review

Write <, >, or = in the ○.

3. 3,456 ○ 346
4. 121 ○ 115
5. 7,756 ○ 7,776
6. 844 ○ 844
7. 19,213 ○ 91,213
8. 365 ○ 365

Solve.

9. $\frac{35}{-14}$
10. $\frac{41}{+14}$
11. $\frac{79}{-38}$
12. $\frac{27}{+31}$
Round to Nearest 10 and 100

Round to the nearest ten.

1. 26 ______ 2. 85 ______ 3. 72 ______ 4. 55 ______
5. 17 ______ 6. 31 ______ 7. 88 ______ 8. 97 ______
9. 46 ______ 10. 62 ______ 11. 8 ______ 12. 29 ______

Round to the nearest hundred and the nearest ten.

13. 564 ______ ______ 14. 412 ______ ______
15. 625 ______ ______ 16. 445 ______ ______
17. 454 ______ ______ 18. 621 ______ ______
19. 533 ______ ______ 20. 689 ______ ______
21. 599 ______ ______ 22. 327 ______ ______
23. 555 ______ ______ 24. 649 ______ ______

Mixed Review

Tell whether the number is odd or even.

25. 1,784 ______ 26. 333 ______ 27. 95 ______
28. 178 ______ 29. 712 ______ 30. 619 ______

Solve.

31. 90 − 12 = ______ 32. 39 + 21 = ______
33. 40 + 50 = ______ 34. 66 − 23 = ______
35. 99 − 72 ______ 36. 56 − 48 ______
37. 72 + 23 ______ 38. 89 − 61 ______
Round to Nearest 1,000

Round to the nearest thousand.

1. 2,345
2. 1,765
3. 8,821

4. $6,109
5. 3,001
6. $3,679

7. 9,134
8. $4,556
9. 7,733

Round to the nearest thousand, the nearest hundred, and the nearest ten.

10. 3,490
11. 7,509
12. $2,565
13. 3,115
14. 1,350
15. 8,999
16. $6,784
17. 2,288
18. $5,501

Mixed Review

Write the value of the underlined digit.

19. 4,523
20. 13,886
21. 60,600

22. 327
23. 687
24. 22,789

Solve.

25. 68
26. 86
27. 49
28. 92

−45
−70
+13
−31
Column Addition

Find the sum.

1. \((2 + 5) + 3 = \) 2. \(6 + (3 + 5) = \) 3. \((4 + 5) + 9 = \)
4. \(4 + (13 + 7) = \) 5. \((4 + 3) + 6 = \) 6. \((1 + 7) + 14 = \)
7. \(12 + (6 + 6) = \) 8. \((14 + 6) + 3 = \) 9. \(7 + (10 + 5) = \)

Use the Grouping Property to find the sum.

10. \( \) 11. \( \) 12. \( \) 13. \( \)
14. \( \) 15. \( \) 16. \( \) 17. \( \)

Mixed Review

Round to the nearest hundred.

18. 456 19. 301 20. 3,698 21. 4,022

18. 456 19. 301 20. 3,698 21. 4,022

22. 678 23. 1,103 24. 5,833 25. 6,666

Solve.

26. \(12 + 33 = \) 27. \(44 - 20 = \) 28. \(17 + 15 = \)
29. \(25 - 13 = \) 30. \(40 + 30 = \) 31. \(42 - 19 = \)
**Estimate Sums**

Estimate the sum.

1. \[ 23 + 71 = \] 
2. \[ 44 + 33 = \] 
3. \[ 69 + 12 = \] 
4. \[ 429 + 258 = \]

5. \[ $1.32 + $2.48 = \] 
6. \[ 4,367 + 5,717 = \] 
7. \[ $6.65 + $1.99 = \] 
8. \[ 1,252 + 2,834 = \]

For 9–11 use the numbers at the right.

9. Choose two numbers whose sum is about 80.

\[ \text{__________________________} \]

10. Choose two numbers whose sum is about 4,000.

\[ \text{__________________________} \]

11. Choose two numbers whose sum is about 700.

\[ \text{__________________________} \]

**Mixed Review**

Write \(<, >\), or \(=\) for each \(\bigcirc\).

12. \[ 334 \bigcirc 443 \]
13. \[ 4,980 \bigcirc 4,098 \]
14. \[ 814 \bigcirc 814 \]
15. \[ 39 \bigcirc 31 \]

Write each number in standard form.

16. \[ 60,000 + 2,000 + 500 + 50 = \]
17. \[ \text{forty-three thousand, nine hundred sixty-six} = \]
18. \[ 2,000 + 900 + 40 + 3 = \]
19. \[ \text{eighty thousand, two hundred eleven} = \]
20. \[ 70,000 + 300 + 70 + 9 = \]
Add 3-Digit Numbers

Use base-ten blocks to find each sum.

1. 341
   +237
   \_578

2. 832
   +138
   \_970

3. 426
   +427
   \_853

4. 359
   +196
   \_555

5. 532
   +389
   \_921

6. 644
   +317
   \_961

7. 277
   +235
   \_512

8. 442
   +469
   \_911

9. 353
   +588
   \_941

10. 527
    +197
    \_724

11. 438
    +279
    \_717

12. 377
    +195
    \_572

13. 159
    +262
    \_421

14. 349
    +464
    \_813

15. 618
    +329
    \_947

16. 627
    +326
    \_953

17. 378
    +577
    \_955

18. 819
    +153
    \_972

19. 377
    +188
    \_565

20. 429
    +469
    \_898

Mixed Review

Add.

21. 57
    +36
    \_93

22. 88
    +97
    \_185

23. 49
    +57
    \_106

24. 67
    +38
    \_105

25. 49
    +89
    \_138

Subtract.

26. 57
    -32
    \_25

27. 98
    -84
    \_14

28. 69
    -57
    \_12

29. 58
    -38
    \_20

30. 99
    -81
    \_18

31. 92
    -18
    \_74

32. 14
    -8
    \_6

33. 76
    -54
    \_22

34. 29
    -14
    \_15

35. 78
    -26
    \_52
Add 3-Digit Numbers

Find the sum. Estimate to check.

1. \[356 + 228 = 584\]
2. \[149 + 227 = 376\]
3. \[657 + 155 = 812\]
4. \[494 + 369 = 863\]
5. \[364 + 465 = 829\]

6. \[648 + 173 = 821\]
7. \[649 + 348 = 997\]
8. \[146 + 594 = 740\]
9. \[247 + 453 = 700\]
10. \[152 + 688 = 840\]

11. \[384 + 165 = 549\]
12. \[473 + 437 = 910\]
13. \[349 + 449 = 808\]
14. \[147 + 366 = 513\]
15. \[869 + 131 = 990\]

Mixed Review

Write the value of the underlined digit.

16. 25,781
17. 13,499
18. 2,002
19. 77,712

20. 576
21. 92,440
22. 11,299
23. 4,810

Round to the nearest ten.

24. 566
25. 717
26. 32
27. 673

28. 1,854
29. 392
30. 428
31. 4,668
Problem-Solving Strategy

Predict and Test

Use predict and test to solve.

1. Two numbers have a sum of 39. Their difference is 11. What are the two numbers?

2. Two numbers have a sum of 22. Their difference is 4. What are the two numbers?

3. Gina traveled 450 miles to her grandmother’s house in two days. She traveled 50 more miles on Saturday than on Sunday. How many miles did she travel on Saturday?

4. Maria practiced the recorder for 40 minutes on Saturday. She practiced 10 minutes less in the afternoon than in the morning. How many minutes did Maria practice in the morning? in the afternoon?

Mixed Review

Solve.

5. $17 + 22 + 56 = \underline{}$

6. $42.80 + 23.90 + 6.00 = \underline{}$

7. $134 + 326 + 422 = \underline{}$

8. $79 + 18 + 27 = \underline{}$

Write $<, >$, or $=$ in the circle.

9. $25 + 25 \bigcirc 50$

10. $721 + 322 \bigcirc 1,000$

11. $\$3.50 + \$2.25 \bigcirc \$4.25$

12. $582 + 241 \bigcirc 1,200$

13. $276 + 524 \bigcirc 800$

14. $\$19.83 + \$4.99 \bigcirc \$25.00$

Solve.

15. $19 + 9$

16. $27 + 4$

17. $36 + 8$

18. $29 + 5$

19. $48 + 9$
Add Greater Numbers

Find the sum. Estimate to check.

1. \[ \begin{align*} 2,341 & \quad +6,237 \\ +6,237 & \quad +6,733 \end{align*} \]

2. \[ \begin{align*} 1,861 & \quad +6,733 \\ +6,733 & \quad +3,259 \end{align*} \]

3. \[ \begin{align*} 7,849 & \quad +3,259 \\ +3,259 & \quad +1,954 \end{align*} \]

4. \[ \begin{align*} 1,776 & \quad +1,954 \\ +1,954 & \quad +1,939 \end{align*} \]

Mixed Review

Write the numbers in order from least to greatest.

17. 245, 253, 232
18. 350, 345, 319
19. 632, 599, 900

Add.

20. \( (3 + 4) + 4 = \) ___
21. \( (4 + 5) + 7 = \) ___
22. \( (1 + 6) + 9 = \) ___
23. \( (6 + 4) + 7 = \) ___
24. \( (8 + 8) + 3 = \) ___
25. \( (7 + 4) + 8 = \) ___
26. \( (9 + 2) + 5 = \) ___
27. \( (6 + 7) + 4 = \) ___
28. \( (8 + 1) + 7 = \) ___

29. \[ \begin{align*} 221 & \quad +876 \\ +876 & \quad +111 \end{align*} \]
30. \[ \begin{align*} 595 & \quad +111 \\ +111 & \quad +568 \end{align*} \]
31. \[ \begin{align*} 469 & \quad +568 \\ +568 & \quad +710 \end{align*} \]
Estimate Differences

Estimate the difference.

1. 836 → ___  2. 59 → ___  3. $7.63 → ___
   \[ -328 \rightarrow -\]  \[ -19 \rightarrow -\]  \[ -$1.88 \rightarrow -\]

4. 8,909 → ___  5. 6,851 → ___  6. 566 → ___
   \[ -2,408 \rightarrow -\]  \[ -2,055 \rightarrow -\]  \[ -377 \rightarrow -\]

7. $12.78 → ___  8. 379 → ___  9. $8.17 → ___
   \[ -$8.49 \rightarrow -\]  \[ -119 \rightarrow -\]  \[ -$5.51 \rightarrow -\]

10. 874 → ___  11. 5,501 → ___  12. $6.93 → ___
    \[ -188 \rightarrow -\]  \[ -3,288 \rightarrow -\]  \[ -$2.64 \rightarrow -\]

Mixed Review

Write the missing number.

13. 8, 13, ____, 23, 28  14. 16, 23, 30, 37, ____  15. ____, 20, 29, 38, 47

Write the value of the underlined digit.

16. 53,980 _______  17. 46,831 _______  18. $367.15 _______

Add.

19. 3,400 + 54  20. 1,209 + 530  21. 1,050 + 803  22. 7,674 + 3,421

23. 54 + 24 = _____  24. 17 + 39 = _____  25. 31 + 31 = _____
Subtract 3-Digit Numbers

Use base-ten blocks to find each difference.

1. 352  2. 532  3. 436  4. 355  5. 532
   \[\begin{array}{c}
   -236 \\
   \end{array}\]  \[\begin{array}{c}
   -248 \\
   \end{array}\]  \[\begin{array}{c}
   -127 \\
   \end{array}\]  \[\begin{array}{c}
   -194 \\
   \end{array}\]  \[\begin{array}{c}
   -377 \\
   \end{array}\]

   \[\begin{array}{c}
   -357 \\
   \end{array}\]  \[\begin{array}{c}
   -285 \\
   \end{array}\]  \[\begin{array}{c}
   -369 \\
   \end{array}\]  \[\begin{array}{c}
   -545 \\
   \end{array}\]  \[\begin{array}{c}
   -127 \\
   \end{array}\]

   \[\begin{array}{c}
   -249 \\
   \end{array}\]  \[\begin{array}{c}
   -175 \\
   \end{array}\]  \[\begin{array}{c}
   -259 \\
   \end{array}\]  \[\begin{array}{c}
   -168 \\
   \end{array}\]  \[\begin{array}{c}
   -129 \\
   \end{array}\]

   \[\begin{array}{c}
   -126 \\
   \end{array}\]  \[\begin{array}{c}
   -187 \\
   \end{array}\]  \[\begin{array}{c}
   -453 \\
   \end{array}\]  \[\begin{array}{c}
   -155 \\
   \end{array}\]  \[\begin{array}{c}
   -269 \\
   \end{array}\]

Mixed Review

Add.

21. 150  22. 60  23. 72  24. 56  25. 165
   \[\begin{array}{c}
   + 30 \\
   \end{array}\]  \[\begin{array}{c}
   + 90 \\
   \end{array}\]  \[\begin{array}{c}
   + 35 \\
   \end{array}\]  \[\begin{array}{c}
   + 28 \\
   \end{array}\]  \[\begin{array}{c}
   + 67 \\
   \end{array}\]

Subtract.

26. 80  27. 90  28. 79  29. 84  30. 91
   \[\begin{array}{c}
   -30 \\
   \end{array}\]  \[\begin{array}{c}
   -50 \\
   \end{array}\]  \[\begin{array}{c}
   -24 \\
   \end{array}\]  \[\begin{array}{c}
   -57 \\
   \end{array}\]  \[\begin{array}{c}
   -37 \\
   \end{array}\]

31. 73  32. 65  33. 39  34. 62  35. 76
   \[\begin{array}{c}
   -32 \\
   \end{array}\]  \[\begin{array}{c}
   -14 \\
   \end{array}\]  \[\begin{array}{c}
   -17 \\
   \end{array}\]  \[\begin{array}{c}
   -28 \\
   \end{array}\]  \[\begin{array}{c}
   -14 \\
   \end{array}\]
Subtract 3-Digit Numbers

Find the difference. Estimate to check.

1. 354
   \[354 \quad -148 \quad 306\]
2. 564
   \[564 \quad -139 \quad 425\]
3. 942
   \[942 \quad -817 \quad 125\]
4. 783
   \[783 \quad -526 \quad 257\]
5. 647
   \[647 \quad -435 \quad 212\]

6. 365
   \[365 \quad -178 \quad 187\]
7. 635
   \[635 \quad -145 \quad 490\]
8. 746
   \[746 \quad -458 \quad 288\]
9. 852
   \[852 \quad -459 \quad 393\]
10. 461
    \[461 \quad -178 \quad 283\]

11. 461
    \[461 \quad -275 \quad 186\]
12. 921
    \[921 \quad -732 \quad 189\]
13. 437
    \[437 \quad -128 \quad 309\]
14. 675
    \[675 \quad -179 \quad 496\]
15. 724
    \[724 \quad -536 \quad 188\]

16. 729
    \[729 \quad -518 \quad 211\]
17. 436
    \[436 \quad -297 \quad 139\]
18. 982
    \[982 \quad -695 \quad 287\]
19. 514
    \[514 \quad -226 \quad 288\]
20. 372
    \[372 \quad -158 \quad 214\]

Mixed Review

21. 119
    \[119 \quad +669 \quad 788\]
22. 542
    \[542 \quad +669 \quad 1211\]
23. 908
    \[908 \quad +103 \quad 1011\]
24. 275
    \[275 \quad +479 \quad 754\]

25. 77
    \[77 \quad -12 \quad 65\]
26. 48
    \[48 \quad -15 \quad 33\]
27. 95
    \[95 \quad -37 \quad 58\]
28. 41
    \[41 \quad -8 \quad 33\]

29. 603
    \[603 \quad +279 \quad 882\]
30. 400
    \[400 \quad +118 \quad 518\]
31. 525
    \[525 \quad +175 \quad 700\]
32. 235
    \[235 \quad +66 \quad 301\]

33. Estimate 386 – 212.
    \[A \ 100 \quad C \ 300 \quad F \ 400 \quad H \ 409\]
    \[B \ 200 \quad D \ 500 \quad G \ 308 \quad J \ 309\]
34. Find the sum of 239 and 170.
Subtract Greater Numbers

Find the difference. Estimate to check.

1. 1,500 2. 1,406 3. 1,600 4. 2,902 5. 2,700
   \[\begin{array}{c}
   -1,132 \\
   -1,258 \\
   -1,198 \\
   -2,435 \\
   -1,137 \\
   \end{array}\]

6. 3,408 7. 4,800 8. 3,306 9. 6,300 10. 8,200
   \[\begin{array}{c}
   -2,135 \\
   -1,654 \\
   -3,108 \\
   -2,229 \\
   -5,777 \\
   \end{array}\]

11. 7,005 − 3,605 = \[\blank\]
12. 8,588 − 5,666 = \[\blank\]
13. 2,175 − 1,987 = \[\blank\]
14. 6,921 − 4,108 = \[\blank\]

Mixed Review

Find each sum or difference.

15. 19 + 6 = \[\blank\]
16. 78 − 49 = \[\blank\]
17. 84 − 27 = \[\blank\]
18. 29 + 54 = \[\blank\]

Find the missing addend.

19. 60 − \[\blank\] = 24
20. 71 − \[\blank\] = 35
21. 17 + \[\blank\] = 58
22. 42 + \[\blank\] = 79

Find each sum.

23. 996 + 132 = \[\blank\]
24. 4,597 + 1,950 = \[\blank\]
25. 3,956 + 2,007 = \[\blank\]
26. 774 + 2,981 = \[\blank\]

27. Which number is between 4,888 and 6,123?
   A 5,030    C 1,325
   B 7,548    D 3,987

28. Which symbol completes the following:
   \[4,620 \bigcirc 4,062\]
   F > G < H =
Problem Solving Skill

Estimate or Exact Answer

Use the table for 1–2. Write whether you need an exact answer or an estimate. Then solve.

<table>
<thead>
<tr>
<th>Bulbs by the Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Item</strong></td>
</tr>
<tr>
<td>tulips</td>
</tr>
<tr>
<td>daffodils</td>
</tr>
<tr>
<td>irises</td>
</tr>
</tbody>
</table>

1. Justin has $8. Can he buy a bag of tulips and a bag of irises?

2. Roxana pays for a bag of daffodils with $3. How much change will she get?

Derek is planning to plant two types of flower bulbs. He has 39 tulip bulbs and 18 daffodil bulbs.

3. Derek wants to put a stick in the ground where he plants each bulb. Which sentence shows how many sticks he must have?

   A 39 + 18 = 57
   B 40 + 20 = 60
   C 40 + 18 = 58
   D 39 − 18 = 21

4. After Derek plants the bulbs, he wants to pour at least 1 cup of water on each bulb. Which container should he fill with water?

   F one that holds 30 cups
   G one that holds 40 cups
   H one that holds 60 cups
   J one that holds 80 cups

Mixed Review

Solve.

5. 364
   −291

6. 109
   +637

7. 518
   −462

8. 279
   +584
Write Expressions and Number Sentences

Write an expression for each.

1. Garnet bought 16 red buttons, 8 blue buttons, and 25 green buttons. How many blue and red buttons did she buy?

2. Kay has 13 more sheets of lined paper than unlined paper. She has 26 sheets of unlined paper. How many sheets of lined paper does she have?

3. Lyle has 152 minutes of recording time on a tape. He uses 65 minutes. How much time does he have left?

4. Neil had 35 cookies. He gave 26 cookies to his classmates. How many cookies does he have left?

Write + or − to make the number sentence true.

5. 4 \(\circ\) 2 = 2

6. 27 = 18 \(\circ\) 9

7. 32 \(\circ\) 3 = 35

8. 67 = 7 \(\circ\) 60

9. 39 \(\circ\) 16 = 55

10. 16 \(\circ\) 11 = 5

11. 15 \(\circ\) 7 = 8

12. 50 = 61 \(\circ\) 11

13. 71 = 43 \(\circ\) 28

Write the missing number that makes the number sentence true.

14. 9 + _____ = 21

15. 8 = _____ − 9

16. _____ + 81 = 93

17. 160 = 50 + _____

18. _____ − 123 = 16

19. 36 − _____ = 5

20. 57 + 18 = _____

21. 115 − 113 = _____

22. 237 − _____ = 195

Mixed Review

Find each sum.

23. 2
    7
    +9

24. 3
    6
    +8

25. 5
    4
    +7

26. 8
    8
    +3
Make Equivalent Sets

Vocabulary

Complete the sentence.

1. Sets that are ____________________ name the same amount.

Make an equivalent set for each amount. List the bills and coins you used.

2. 3.

Make three equivalent sets for each amount. List the bills and coins you used.

4. $1.60 5. $6.50

Mixed Review

Round to the nearest hundred.

6. 84 _________  7. 359 _________  8. 866 _________
9. 91 _________  10. 499 _________  11. 601 _________

12. Which digit is in the thousands place of 2,617? _________
13. Which digit is in the hundreds place of 8,310? _________
14. Which digit is in the thousands place of 19,036? _________
Problem-Solving Strategy

Make a Table

Make a table to solve.

1. Ivy has two $1 bills, 4 quarters, 7 dimes, 1 nickel, and 4 pennies to buy a pack of paper that costs $2.66. How many different equivalent sets of bills and coins can she use?

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</tbody>
</table>

2. How many combinations of coins can you use to make 23¢?

**Mixed Review**

Add.

3. 152  
   63  
   + 256  

4. 87  
   84  
   + 75  

5. 136  
   242  
   + 192  

6. 101  
   345  
   + 72  

7. 49¢  
   + 26¢  

8. $1.25  
   + $0.75  

9. 17¢  
   + 66¢  

10. 29¢  
    + 50¢
Compare Amounts of Money

Use > or < to compare the amounts of money.

1. \( \begin{align*}
\text{a. } & \quad \text{b. }
\end{align*} \)

2. \( \begin{align*}
\text{a. } & \quad \text{b. }
\end{align*} \)

3. \( \begin{align*}
\text{a. } & \quad \text{b. }
\end{align*} \)

Mixed Review

4. Continue the pattern.

\[19, 29, 39, 49, ____, ____\]

Find the sum.

5. \( \begin{align*}
85 & \quad 14 & \quad 565 & \quad 26 \\
72 & \quad 33 & \quad 128 & \quad 38 \\
+21 & \quad +67 & \quad & \quad +52
\end{align*} \)

9. What is the value of the underlined digit in 10,729?

\( \begin{align*}
\text{A } & \quad \text{B } & \quad \text{C } & \quad \text{D } \\
70 & \quad 700 & \quad 7,000 & \quad 70,000
\end{align*} \)

10. What is the value of the underlined digit in 18,246?

\( \begin{align*}
\text{A } & \quad \text{B } & \quad \text{C } & \quad \text{D } \\
80 & \quad 800 & \quad 8,000 & \quad 80,000
\end{align*} \)
Make Change

List the coins you would get as change from a $1 bill. Use play money.

1. $0.92
2. $0.35
3. $0.59

Complete the table. Use play money.

<table>
<thead>
<tr>
<th>Amount Paid</th>
<th>Cost of Item</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.00</td>
<td>$0.19</td>
<td></td>
</tr>
<tr>
<td>$5.00</td>
<td>$2.73</td>
<td></td>
</tr>
<tr>
<td>$6.00</td>
<td>$5.31</td>
<td></td>
</tr>
</tbody>
</table>

Mixed Review

Find the sum or difference.

7. 264 + 599
8. 3,672 − 1,488
9. 4,628 − 1,999
10. 2,870 + 9,653

11. Order these numbers from least to greatest.
    3,876  3,678  3,768

12. What is one hundred more than 7,409?

13. What is the standard form of five thousand two hundred seventeen?
Add and Subtract Money

Find the sum or difference. Estimate to check.

1. $6.43 + $2.15 = $8.58
   $8.58 - $1.50 = $7.08
2. $5.63
   $5.63 - $1.50 = $4.13
3. $2.59 + $1.37 = $3.96
   $3.96 - $1.78 = $2.18
4. $4.93

5. $0.38 + $5.24 = $5.62
   $5.62 + $2.06 = $7.68
6. $3.27
   $3.27 - $4.90 = $-1.63
   $-1.63 - $3.91 = $-5.54
7. $6.55
   $6.55 - $4.90 = $1.65
8. $4.02

9. $3.50
   $3.50 - $1.98 = $1.52
10. $1.90
    $1.90 + $2.64 = $4.54
11. $3.94
    $3.94 + $2.75 = $6.69
12. $8.56
    $8.56 + $4.03 = $12.59

13. $9.08 + $1.98 = $11.06
    $11.06 - $3.59 = $7.47
14. $5.00
    $5.00 - $1.29 = $3.71
15. $4.50
    $4.50 - $1.29 = $3.21
16. $10.00
    $10.00 - $5.20 = $4.80

Mixed Review

Write the missing number.

17. _____ tens = 50
18. _____ hundreds = 300
19. _____ tens = 90
20. _____ thousands = 6,000
21. _____ dimes = 4 quarters
22. 15 pennies = _____ dimes
    _____ pennies
23. 12 dimes = _____ dollars
    _____ dimes
24. 8 dimes = _____ quarters
    _____ dimes
25. 26 nickels = _____ dollars
    _____ dimes
26. 15 dimes = _____ dollars
    _____ quarters
Time to the Minute

Read and write each time.

1. 2. 3.

4. 5. 6.

7. 8. 9.

Mixed Review

10. 632
    421
    +267
11. 552
    773
    +804
12. 139
    777
    +609
13. 2,345
    1,827
    +4,558
14. $57.90
    −$39.00
15. 4,414
    −3,399
16. $15.99
    +$33.75
17. 7,212
    −3,946
A.M. and P.M.

Write the time, using A.M. or P.M.

1. still sleeping
2. dentist appointment
3. paint a picture
4. lunch time
5. the sunrise
6. this a new day
7. this day is almost over
8. do the dishes
9. eat breakfast

Mixed Review

Write + or − to make the sentence true.

10. $36 \bigcirc 27 = 9$
11. $16 = 14 \bigcirc 2$
12. $35 \bigcirc 18 = 53$
13. $15 = 22 \bigcirc 7$

Subtract.

14. $1.68 - 0.09$
15. $5.62 - 3.17$
16. $8.13 - 3.59$
17. $12.72 - 7.49$

Name ________________________
Elapsed Time

Use a clock to find the elapsed time.

1. start: 4:15 P.M.    end: 4:30 P.M.
2. start: 5:30 P.M.    end: 5:45 P.M.
3. start: 3:30 A.M.    end: 4:15 A.M.

Use a clock to find the end time.

4. starting time: 4:15 P.M. elapsed time: 30 minutes
5. starting time: 2:00 A.M. elapsed time: 1 hour and 30 minutes
6. starting time: 7:30 A.M. elapsed time: 45 minutes
7. starting time: 3:45 P.M. elapsed time: 15 minutes

Mixed Review

Write <, >, or = in each circle.

8. 1,980 − 1,298 ____ 682
9. 782 + 886 ____ 312 + 552
10. $6,887 + $2,021 ____ $9,000
11. 499 − 107 ____ 307

Write in standard form.

12. six thousand, three hundred forty-two ___________
13. 10,000 + 5,000 + 900 + 30 + 2 ___________
14. 20,000 + 7,000 + 400 + 80 + 7 ___________
15. eighty-four thousand, thirty-three ___________
Use a Schedule

Complete the schedule.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Time</th>
<th>Elapsed Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. tennis</td>
<td>9:00 A.M. – 10:00 A.M.</td>
<td>1 hour</td>
</tr>
<tr>
<td>2. snack</td>
<td>10:00 A.M. – 10:25 A.M.</td>
<td></td>
</tr>
<tr>
<td>3. crafts</td>
<td>11:30 A.M. – 11:30 A.M.</td>
<td>1 hour 5 minutes</td>
</tr>
<tr>
<td>4. lunch</td>
<td>11:30 A.M. – 1:00 P.M.</td>
<td>45 minutes</td>
</tr>
<tr>
<td>5. reading and games</td>
<td>1:00 P.M. – 1:00 P.M.</td>
<td>45 minutes</td>
</tr>
<tr>
<td>6. swimming</td>
<td>1:00 P.M. – 2:15 P.M.</td>
<td></td>
</tr>
</tbody>
</table>

For 7–10, use the schedule you completed.


8. Reading and games begins ___ minutes after lunch begins. ____________

9. Crafts ends ___ hours ___ minutes after 9:00 A.M. ____________

10. Which activity is the longest? ____________

Mixed Review

Write the greatest number possible with these digits.

11. 3, 7, 1, 5 _______ 12. 4, 1, 1, 5, 4 _______ 13. 6, 7, 3, 8, 5 _______

Tell whether the number is odd or even.

14. 16 _______ 15. 3,451 _______ 16. 5,467 _______ 17. 834 _______

Find 1,000 more.

18. 398 _______ 19. 1,309 _______ 20. 5,833 _______ 21. 10 _______

Compare the numbers. Write <, >, or = in each .

22. 56 29 23. 247 417 24. 702 702 25. 212 199
Use a Calendar

For 1–4, use the calendars.

1. The Youngs are leaving on January 1 and will be away for 3 weeks and 4 days. When will they return?

2. Jamie left for a 2-week trip on February 26. She came home for two weeks and then left again for 6 days. Did she return on March 30? Explain.

3. Tom is feeding a cat from February 6 to February 20. How many days is he feeding it? How many weeks?

4. Tom is keeping Becky’s hamsters at his house from March 13 to March 20. How many days is he keeping the hamsters? How many weeks?

5. How many days is 2 weeks and 1 day?

6. Eighteen days is ____ weeks and ____ days.

Mixed Review

Round each number to the nearest thousand.

7. 3,714 _______ 8. 5,901 _______ 9. 6,379 _______

10. Write 3,072 in word form. ______________________

11. Write 531 in word form. ______________________
Problem Solving Skill

Sequence Events

For 1–4, use the calendars and the list.

<table>
<thead>
<tr>
<th>September 2002</th>
<th>October 2002</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun, Mon, Tue, Wed, Thu, Fri, Sat</td>
<td>Sun, Mon, Tue, Wed, Thu, Fri, Sat</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>8 9 10 11 12 13 14</td>
<td>6 7 8 9 10 11 12</td>
</tr>
<tr>
<td>15 16 17 18 19 20 21</td>
<td>13 14 15 16 17 18 19</td>
</tr>
<tr>
<td>22 23 24 25 26 27 28</td>
<td>20 21 22 23 24 25 26</td>
</tr>
<tr>
<td>29 30</td>
<td>27 28 29 30 31</td>
</tr>
</tbody>
</table>

1. Use the list of things to do to help plan a hay ride. Write what needs to be done in order and include the date for each.

2. What if today's date is September 17 and the date of the hay ride changes to October 21? Write what needs to be done in order and include the date for each.

3. Loni leaves on September 16 and will be gone for 11 days. She wants to cancel her paper delivery 1 week before she leaves and start it again the day she returns. What should she tell her paper girl?

4. Max has been invited to go on the hay ride. He will be out of town for 17 days beginning on September 25. Will he be home in time to go on the hay ride on October 13?

Mixed Review

5. $175 + _____ = 675$
6. $60 - _____ = 35$
7. $237 + _____ = 981$

PW34 Practice
Algebra: Connect Addition and Multiplication

For 1–4, choose the letter of the number sentence that matches.

1. \(6 + 6 + 6 + 6 + 6 = 30\) _____  
   A. \(8 \times 4 = 32\)
2. \(4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 32\) _____  
   B. \(10 \times 2 = 20\)
3. \(5 + 5 + 5 + 5 = 20\) _____  
   C. \(5 \times 6 = 30\)
4. \(2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20\) _____  
   D. \(4 \times 5 = 20\)

For 5–22, find the total. You may wish to draw a picture.

5. 2 groups of 6 = ___  
   6. 3 groups of 5 = ___  
   7. 2 groups of 4 = ___  
   8. 5 groups of 2 = ___  
   9. 6 groups of 3 = ___  
   10. 7 groups of 3 = ___  
   11. \(3 + 3 + 3 + 3 = ___\)  
   12. \(6 + 6 + 6 = ___\)  
   13. \(8 + 8 = ___\)  
   14. \(5 + 5 + 5 + 5 + 5 = ___\)  
   15. \(2 + 2 + 2 + 2 = ___\)  
   16. \(1 + 1 + 1 + 1 + 1 + 1 = ___\)  
   17. \(6 \times 1 = ___\)  
   18. \(3 \times 2 = ___\)  
   19. \(2 \times 9 = ___\)  
   20. \(7 \times 2 = ___\)  
   21. \(1 \times 7 = ___\)  
   22. \(5 \times 5 = ___\)

Mixed Review

Write the missing number that makes the sentence true.

23. \(4 + \square = 16\)  
24. \(5 = \square - 3\)  
25. \(\square + 16 = 22\)  
26. \(130 = 100 + \square\)  
27. \(\square + 7 = 23\)  
28. \(12 + \square = 30\)  
29. \(15 = \square + 2\)  
30. \(70 + \square = 85\)

Add.

31. \(28 + 17\)  
32. \(156 + 813\)  
33. \(1,608 + 1,097\)  
34. \(3,499 + 3,499\)

35. \(362 + 412\)  
36. \(2,130 + 9,805\)  
37. \(4,091 + 1,904\)  
38. \(2,694 + 1,739\)
Multiply with 2 and 5

Vocabulary

Circle the word that best completes each sentence.

1. (Factors, Products) are numbers that you multiply.
2. The answer to a multiplication problem is the (factor, product).

Find the product.

3. $3 \times 5 = ____$
4. $5 \times 2 = ____$
5. $2 \times 9 = ____$
6. $5 \times 6 = ____$
7. $3 \times 2 = ____$

Complete.

8. $7 \times 5 = ____$
9. ____ = $3 \times 2$
10. $8 \times 5 = ____$
11. ____ = $2 \times 2$
12. $9 \times 5 = ____$
13. $2 \times 5 = ____$
14. $5 \times 6 = ____$
15. $8 \times 2 = ____$

Mixed Review

16. $13 + 34 + 45 = ____$
17. $8,237 - 3,389 = ____$
18. $5.67 + 3.57 = ____$
19. $20.72 + 14.98 = ____$
20. $28.36 + 1.70 = ____$
21. $52.80 + 19.55 = ____$

22. Round 6,889 to the nearest hundred.

23. The elapsed time from 3:15 P.M. to 5:15 P.M. is ____.
   A 15 minutes  
   B one hour   
   C two hours  
   D five hours
Arrays

Draw an array for each.

1. 3 rows of 2 = 6
2. 4 rows of 5 = 20
3. 2 rows of 6 = 12

4. 4 × 2 = 8
5. 4 × 6 = 24
6. 6 × 3 = 18

Find the product. You may wish to draw an array.

7. 6 × 2 = ___
8. 5 × 2 = ___
9. 2 × 7 = ___
10. 5 × 5 = ___
11. 1 × 4 = ___
12. 9 × 3 = ___

Mixed Review

Write the missing number that makes the sentence true.

13. 34 – ___ = 26
14. ___ – 12 = 28
15. ___ + 53 = 82
16. 98 + 102 = ___

Add.

17. 132
18. 458
19. 722
20. 537

132
458
722
537

+ 132
+ 458
+ 722
+ 537

21. 281
22. 76
23. 2,521
24. 3,715

821
75
6,642
6,142

+ 128
+ 74
+ 7,908
+ 4,143
Multiply with 3

Use the number line to find the product.

1. $5 \times 3 = \underline{15}$
2. $3 \times 5 = \underline{15}$

3. $5 \times 5 = \underline{25}$
4. $4 \times 3 = \underline{12}$
5. $9 \times 3 = \underline{27}$
6. $2 \times 3 = \underline{6}$

7. $4 \times 5 = \underline{20}$
8. $3 \times 8 = \underline{24}$
9. $7 \times 2 = \underline{14}$
10. $3 \times 3 = \underline{9}$

11. $9 \times 5 = \underline{45}$
12. $6 \times 3 = \underline{18}$
13. $2 \times 2 = \underline{4}$
14. $5 \times 3 = \underline{15}$

15. $8 \times 2 = \underline{16}$
16. $5 \times 9 = \underline{45}$
17. $2 \times 9 = \underline{18}$
18. $6 \times 5 = \underline{30}$

19. $5 \times 4 = \underline{20}$
20. $3 \times 9 = \underline{27}$
21. $5 \times 2 = \underline{10}$
22. $7 \times 3 = \underline{21}$

23. $8 \times 5 = \underline{40}$
24. $7 \times 5 = \underline{35}$
25. $2 \times 5 = \underline{10}$

26. $5 \times 8 = \underline{40}$
27. $3 \times 4 = \underline{12}$
28. $2 \times 7 = \underline{14}$

29. $3 \times 6 = \underline{18}$
30. $9 \times 2 = \underline{18}$
31. $8 \times 4 = \underline{32}$

Mixed Review

Circle the letter for the correct answer.

32. $24 + 56 + 12 = \underline{A}$
33. $17 + 11 + 45 = \underline{F}$
34. $12 + 9 + 19 = \underline{A}$
   A 29  C 101  F 53  H 84  A 40  C 45
   B 82  D 92  G 73  J 102  B 42  D 49

35. $62 + 15 + 27 = \underline{F}$
36. $25 + 35 + 45 = \underline{F}$
37. $26 + 38 + 7 = \underline{F}$
   F 88  H 104  A 75  C 90  F 69  H 78
   G 92  J 114  B 85  D 105  G 71  J 81
Problem Solving Skill

Too Much/Too Little Information

For 1–6, use the table. For 1–4, write a, b, or c to tell whether the problem has a. too much information, b. too little information, or c. the right amount of information. Solve those with too much or the right amount of information.

1. Mario bought 2 rakes. He was in the garden store 15 minutes. How much did Mario spend?

2. Cecil left at 5:00 P.M. to go to the garden store. He spent more on seeds than he did on other garden supplies. How much did he spend on seeds?

3. Jerome had $20. He bought 7 packages of seeds. How much did he spend?

4. Elaine had $20. She bought one hoe and two shovels. How much did she spend?

5. You have $25 to spend on garden supplies. Which items can you buy?
   A 2 hoes, 2 rakes
   B 3 rakes, a package of seeds
   C 2 hoes, 4 packages of seeds
   D a hoe, 2 rakes

6. You have $30. How much more money do you need if you choose to buy 4 packages of seeds, 2 rakes and 2 hoes?
   F $42
   H $12
   G $13
   J $10

Mixed Review

Write the time.

7. 

8. 

9. 

10. 

11. Are the hours between midnight and noon A.M. or P.M.? 

Practice PW39
Multiply with 0 and 1

Complete the multiplication sentence to show the number of sneakers.

1. $3 \times 1 = \underline{\text{____}}$
2. $6 \times 0 = \underline{\text{____}}$
3. $1 \times 2 = \underline{\text{____}}$

Find the product.

4. $8 \times 0 = \underline{\text{____}}$
5. $1 \times 6 = \underline{\text{____}}$
6. $0 \times 5 = \underline{\text{____}}$
7. $9 \times 1 = \underline{\text{____}}$
8. $1 \times 4 = \underline{\text{____}}$
9. $0 \times 3 = \underline{\text{____}}$
10. $1 \times 8 = \underline{\text{____}}$
11. $0 \times 1 = \underline{\text{____}}$
12. $0 \times 0 = \underline{\text{____}}$
13. $5 \times 1 = \underline{\text{____}}$
14. $7 \times 0 = \underline{\text{____}}$
15. $2 \times 5 = \underline{\text{____}}$
16. $5 \times 4 = \underline{\text{____}}$
17. $6 \times 3 = \underline{\text{____}}$
18. $3 \times 7 = \underline{\text{____}}$
19. $8 \times 2 = \underline{\text{____}}$

Mixed Review

20. Find the value of the bold digit.

   $43,975 \underline{\text{____}}$
   $78,214 \underline{\text{____}}$
   $90,255 \underline{\text{____}}$
   $33,436 \underline{\text{____}}$
   $29,467 \underline{\text{____}}$
   $89,612 \underline{\text{____}}$

21. Find the sum of 198 and 864. \underline{\text{____}}

22. Put the numbers in order from least to greatest.

   74 44 62 47

23. Put the numbers in order from greatest to least.

   29 59 13 68

24. $3 + 3 + 3 + 3 = \underline{\text{____}}$
25. $2 + 2 + 2 = \underline{\text{____}}$
Multiply with 4

Find the product.

1. \[ \times 4 \] 2. \[ \times 4 \] 3. \[ \times 7 \] 4. \[ \times 4 \] 5. \[ \times 3 \] 6. \[ \times 4 \] 7. \[ \times 8 \]

8. \[ \times 4 \] 9. \[ \times 4 \] 10. \[ \times 2 \] 11. \[ \times 4 \] 12. \[ \times 4 \] 13. \[ \times 3 \] 14. \[ \times 2 \]

15. \[ \times 2 \] 16. \[ \times 5 \] 17. \[ \times 1 \] 18. \[ \times 5 \] 19. \[ \times 3 \] 20. \[ \times 2 \] 21. \[ \times 0 \]

22. \[ 4 \times 6 = \] 23. \[ 1 \times 0 = \] 24. \[ 5 \times 3 = \] 25. \[ 0 \times 9 = \]

26. \[ 4 \times 0 = \] 27. \[ 5 \times 4 = \] 28. \[ 1 \times 0 = \] 29. \[ 8 \times 3 = \]

Mixed Review

30. \[ $6.27 +$2.66 = \] 31. \[ $7.99 -$4.44 = \] 32. \[ $8.31 -$5.98 = \] 33. \[ $2.28 +$7.95 = \]

34. \[ 305 + 882 + 406 = \] 35. \[ 761 + 75 = \]

36. Which shows the numbers in order from least to greatest?
   A 786 867 678
   B 867 678 786
   C 678 786 867

What is the value of the 4 in each of these numbers?

37. \[ 9,412 \] 38. \[ 24 \] 39. \[ 46,118 \]
Problem Solving Strategy

Find a Pattern

Use *find a pattern* to solve.

1. Quintin’s pattern is 2, 5, 8, 11, 14, and 17. What is the rule? What are the next four numbers in his pattern?

2. Vernon’s pattern is 12, 15, 19, 22, and 26. What is the rule? What are the next four numbers in his pattern?

3. Laura’s pattern is 14, 24, 34, 44, and 54. What is the rule? What are the next four numbers in her pattern?

4. Marianne’s pattern is 31, 36, 41, 46, and 51. What is the rule? What are the next four numbers in her pattern?

5. Sharon’s pattern is 54, 51, 48, 45, 42, and 39. What is the rule? What are the next four numbers in her pattern?

6. Tom’s pattern is 10, 12, 13, 15, 16, and 18. What is the rule? What are the next four numbers in his pattern?

7. Myrone’s pattern is 1, 5, 9, 13, 17, and 21. What is the rule? What are the next four numbers in his pattern?

8. Melinda’s pattern is 9, 7, 10, 8, 11, 9, and 12. What is the rule? What are the next four numbers in her pattern?

Mixed Review

Round to the nearest ten thousands.

9. 127,803  
10. 199,975  
11. 259,099  

Write >, <, or =.

12. $5.67  
13. $16.10  
14. $4.89  

Find 100 more than the number.

15. 2,376  
16. 45,903  
17. 119,752  
Practice Multiplication

Complete the tables.

1. \[
\begin{array}{cccccc}
\times & 3 & 6 & 7 & 2 & 5 \\
4 & & & & & \\
\end{array}
\]

2. \[
\begin{array}{cccccc}
\times & 5 & 4 & 6 & 7 & 8 \\
5 & & & & & \\
\end{array}
\]

3. \[
\begin{array}{cccccc}
\times & 6 & 7 & 8 & 3 & 5 \\
3 & & & & & \\
\end{array}
\]

4. \[
\begin{array}{cccccc}
\times & 8 & 2 & 4 & 3 & 6 \\
2 & & & & & \\
\end{array}
\]

Find the product.

5. \(1 \times 6 = \) ____

6. \(2 \times 8 = \) ____

7. \(2 \times 7 = \) ____

8. \(4 \times 8 = \) ____

9. \(3 \times 7 = \) ____

10. \(4 \times 2 = \) ____

11. \(8 \times 3 = \) ____

12. \(4 \times 6 = \) ____

13. \(2 \times 9 = \) ____

14. \(4 \times 1 = \) ____

15. \(5 \times 5 = \) ____

16. \(1 \times 3 = \) ____

Mixed Review

17. How many minutes are between 11:30 P.M. and 11:45 P.M.? ____________________________

18. \(\$5.98 + \$2.07 = \$\) __________

19. \(702 - 67 = \) __________

20. \(\$0.71 + \$10.49 = \$\) __________

21. \(6,498 - 3,512 = \) __________

22. ____ + 21 = 29

23. \(72 - 33 = \) ____

24. \(923 + 765 = \) ______

25. \(4,099 - 170 = \) ______

26. Which shows the numbers in order from greatest to least?

A 789 897 987

B 987 897 789

C 897 987 789
Algebra: Find Missing Factors

Find the missing factor.

1. _____ × 4 = 20  
2. 7 × _____ = 35  
3. _____ × 6 = 18  
4. 8 × _____ = 32  
5. _____ × 3 = 27  
6. 5 × _____ = 30  
7. _____ × 5 = 15  
8. _____ × 3 = 21  
9. 8 × _____ = 24  
10. 5 × _____ = 25  
11. _____ × 4 = 24  
12. _____ × 4 = 36  
13. _____ × 4 = 32  
14. 4 × _____ = 20  
15. 2 × _____ = 12  
16. 5 × _____ = 45  
17. 8 × _____ = 24  
18. _____ × 2 = 10  
19. 3 × _____ = 27  
20. _____ × 3 = 3  
21. 4 × _____ = 16  
22. 7 × _____ = 2 × _____  
23. 5 × _____ = 45 – 5  

Mixed Review

Add 8 to each.

24. 42  
25. 216  
26. 181  
27. 437  

28. 2 dimes  
29. 3 quarters  
30. 3 $1-bills  
31. 2 $1-bills  

32. $17.25 + $6.00 = ________  
33. $0.79 + $0.40 + $0.88 = ________  

Complete the tables.

34. |   | 9 | 5 | 1 | 4 | 6 |
<table>
<thead>
<tr>
<th></th>
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35. |   | 4 | 0 | 3 | 8 | 7 |
<table>
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<td>0</td>
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</tbody>
</table>
Multiply with 6

Complete.

1. An __________ shows objects in rows and columns. In arrays for multiplication, the first factor is the number of rows, and the second factor is the number of columns.

Find each product.

2. \(4 \times 6 = \) ____  
3. \(3 \times 8 = \) ____  
4. \(6 \times 2 = \) ____  
5. \(5 \times 4 = \) ____  
6. \(8 \times 6 = \) ____  
7. \(6 \times 5 = \) ____  
8. \(7 \times 6 = \) ____  
9. \(3 \times 9 = \) ____  
10. \(6 \times 6 = \) ____  
11. \(6 \times 0 = \) ____  
12. \(1 \times 6 = \) ____  
13. \(4 \times 9 = \) ____  
14. \(9 \times 6 = \) ____  
15. \(7 \times 4 = \) ____  
16. \(6 \times 3 = \) ____  
17. \(3 \times 4 = \) ____  

Complete the multiplication table.

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</tbody>
</table>

Mixed Review

Solve.

19. \(4,009 - 2,389 = \)  
20. \(387 + 906 = \)  
21. \(\$62.85 - \$34.99 = \)  
22. \(1,709 + 5,913 = \)  
23. \(\$5.49 + \$3.89 = \)  
24. \(7,360 - 2,507 = \)  
25. \(6,906 - 6,079 = \)  
26. \(\$4,788 + \$613 = \)
Multiply with 7

Find each product.

1. $7 \times 6 = _____$
2. $5 \times 2 = _____$
3. $3 \times 7 = _____$
4. $7 \times 4 = _____$
5. $6 \times 7 = _____$
6. $4 \times 8 = _____$
7. $9 \times 7 = _____$
8. $5 \times 1 = _____$
9. $7 \times 0 = _____$
10. $1 \times 7 = _____$
11. $7 \times 5 = _____$
12. $7 \times 2 = _____$

Complete the multiplication table.

<table>
<thead>
<tr>
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</tbody>
</table>

Complete.

14. $9 \times 7 = ____ + 33$
15. $7 \times ____ = 34 - 13$
16. ____ $\times 7 = 7 + 7$

Mixed Review

Write the value of the underlined digit.

17. 53,009 ______
18. 6,842 ______
19. 92,106 ______
20. 4,222 ______
21. 11,001 ______
22. 6,681 ______

Round to the nearest hundred.

23. 5,349 ______
24. 478 ______
25. 14,780 ______
26. 26,318 ______
27. 1,159 ______
28. 879 ______

Subtract 475 from each number.

29. 690 ______
30. 4,330 ______
31. 2,065 ______
32. 1,010 ______
33. 17,342 ______
34. 9,999 ______
Multiply with 8

Find each product.

1. \(4 \times 8 = \) _____  
2. \(8 \times 7 = \) _____  
3. \(4 \times 6 = \) _____  
4. \(3 \times 8 = \) _____  
5. \(8 \times 9 = \) _____  
6. \(6 \times 7 = \) _____  
7. \(8 \times 0 = \) _____  
8. \(2 \times 8 = \) _____  
9. \(5 \times 8 = \) _____  
10. \(7 \times 2 = \) _____  
11. \(1 \times 8 = \) _____  
12. \(8 \times 6 = \) _____  
13. \(8 \times 8 = \) _____  

Complete the multiplication table.

<table>
<thead>
<tr>
<th>( \times )</th>
<th>1</th>
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</tbody>
</table>

Compare. Write <, >, or = in each circle.

15. \(8 \times 4 \bigcirc 2 \times 6 \)  
16. \(8 \times 3 \bigcirc 6 \times 8 \)  
17. \(7 \times 0 \bigcirc 8 \times 0 \)  
18. \(4 \times 5 \bigcirc 6 \times 7 \)  
19. \(8 \times 9 \bigcirc 3 \times 4 \)  
20. \(5 \times 5 \bigcirc 8 \times 8 \)  

Mixed Review

Solve.

21. \(32 + 44 + 81 = \) _____  
22. \(56 + 14 + 39 = \) _____  
23. \(82 + 8 + 18 = \) _____  
24. \(28 + 27 + 42 = \) _____  
25. \(4,290 - 3,735 = \) _____  
26. \(10,802 - 6,529 = \) _____  
27. \(5,000 - 655 = \) _____  
28. \(3,800 - 799 = \) _____  

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Problem Solving Strategy
Draw a Picture

Use *draw a picture* to solve.

1. Mrs. King has 14 pictures. Name one way she can arrange them in equal rows.

2. Mr. Queen decides to arrange his 18 pictures in equal rows of 6. How many rows will he have?

3. Kevin has 9 squares. How can he arrange them to form one large square?

4. Trisha has 36 squares. How can she arrange them to form one large square?

5. Alan put 27 stickers in 3 equal rows. How many stickers did he put in each row?

6. June put 32 stickers in 4 equal rows. How many stickers did she put in each row?

7. Wes baked cookies. He put 18 cookies on a cookie sheet. If he made 6 equal rows of cookies, how many cookies did he put in each row?

8. Patty baked cupcakes. She put 21 in a box. If she made 7 equal rows, how many cupcakes did she put in each row?

Mixed Review

Write how many there are in all.

9. 3 groups of 8

10. 7 groups of 4

11. 3 groups of 5

Subtract.

12. 1,609
   - 854

13. 4,000
   - 2,450

14. 15,830
   - 9,622

15. 6,317
   - 4,719

PW48 Practice
Algebra: Practice the Facts

Find each product.

1. \(5 \times 4 = \)__
2. \(6 \times 6 = \)__
3. \(8 \times 6 = \)__
4. \(7 \times 7 = \)__
5. \(3 \times 5 = \)__
6. \(6 \times 9 = \)__
7. \(8 \times 9 = \)__
8. \(6 \times 7 = \)__
9. \(5 \times 6 = \)__
10. \(8 \times 5 = \)__
11. \(8 \times 7 = \)__
12. \(8 \times 8 = \)__
13. \(5 \times 7 = \)__
14. \(9 \times 7 = \)__
15. \(5 \times 9 = \)__

16. \(\frac{5}{2} \times 2 = \)__
17. \(\frac{8}{4} \times 4 = \)__
18. \(\frac{7}{8} \times 8 = \)__
19. \(\frac{7}{6} \times 6 = \)__

20. \(\frac{9}{8} \times 8 = \)__
21. \(\frac{4}{4} \times 4 = \)__
22. \(\frac{9}{3} \times 3 = \)__
23. \(\frac{4}{7} \times 7 = \)__

Find each missing factor.

24. \(5 \times ____ = 45\)
25. \(9 \times ____ = 36\)
26. \(8 \times ____ = 16\)
27. \(3 \times ____ = 27\)
28. \(7 \times ____ = 63\)
29. \(____ \times 8 = 24\)
30. \(____ \times 6 = 54\)
31. \(____ \times 4 = 28\)
32. \(6 \times ____ = 24\)

Mixed Review

Add.

33. \(45 + 16 + 27 = \)__
34. \(43 + 57 + 87 = \)__
35. \(44 + 55 + 66 = \)__
36. \(73 + 64 + 46 + 11 = \)__
Multiply with 9 and 10

Complete the table.

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</tbody>
</table>

Find the product.

2. 9 \times 5
3. 10 \times 9
4. 10 \times 6
5. 10 \times 8
6. 9 \times 4
7. 9 \times 6
8. 10 \times 5
9. 10 \times 3
10. 7 \times 9
11. 10 \times 2
12. 9 \times 3
13. 10 \times 4
14. 9 \times 9
15. 10 \times 7
16. 8 \times 9

17. 8 \times 10 =
18. 9 \times 2 =
19. 1 \times 10 =
20. 1 \times 9 =
21. 9 \times 10 =
22. 9 \times 5 =
23. 10 \times 2 =
24. 10 \times 8 =
25. 9 \times 7 =

Find the missing factor.

26. \square \times 8 = 0
27. \square \times 2 = 20
28. 7 \times \square = 7
29. 9 \times \square = 6 \times 3
30. 5 \times 8 = \square \times 10
31. \square \times 9 = 6 \times 6

Mixed Review

Add or subtract.

32. $8.09 - $3.55
33. $7.00 - $6.99
34. $5.55 + $4.44
35. $1.29 + $1.39

32. $4.54
33. $0.01
34. $9.99
35. $2.68
Algebra: Find a Rule

Write a rule for each table. Then complete the table.

1. | Flutes | 2 | 3 | 4 | 5 | 6 |
   | Trumpets | 6 | 9 | 12 |

Rule:

2. | Cups | 1 | 2 | 3 | 4 | 5 | 6 |
   | Ounces | 8 | 16 | 24 |

Rule:

3. | Plates | 5 | 6 | 7 | 8 | 9 | 10 |
   | Bowls | 10 | 12 | 14 | 16 |

Rule:

4. | Plants | 4 | 5 | 6 | 7 | 8 | 9 |
   | Flowers | 24 | 30 | 36 |

Rule:

5. Each box holds 4 toys. How many toys do 5 boxes hold?

| Boxes | 1 | 2 |
| Toys | 4 | 8 |

Rule:

6. Four shelves hold 36 toys. How many toys do 9 shelves hold?

| Shelves | 4 | 5 | 6 |
| Toys | 36 | 45 |

Rule:

Mixed Review

Find the elapsed time.

7. 7:00 P.M. to 8:30 P.M.

8. 4:00 A.M. to noon

9. 9:00 A.M. to 1:00 P.M.

10. 6:30 P.M. to 10:15 P.M.

Use mental math to find the sum.

11. 52 + 48 + 24 + 26 = 130
12. 17 + 13 + 16 + 14 = 60
13. 51 + 49 + 47 + 53 = 200
14. 19 + 21 + 15 + 15 = 80
Algebra: Multiply with 3 Factors

Find each product.

1. \((3 \times 2) \times 3 = \) 2. \(6 \times (4 \times 2) = \) 3. \((3 \times 3) \times 5 = \)
4. \((2 \times 2) \times 8 = \) 5. \((1 \times 4) \times 7 = \) 6. \(4 \times (7 \times 1) = \)
7. \(6 \times (0 \times 7) = \) 8. \((3 \times 3) \times 10 = \) 9. \((7 \times 1) \times 8 = \)

Use the Grouping Property to find the product.

10. \(3 \times 3 \times 6 = \) 11. \(4 \times 4 \times 2 = \) 12. \(9 \times 3 \times 2 = \)
13. \(7 \times 2 \times 2 = \) 14. \((2 \times 4) \times 7 = \) 15. \(4 \times (9 \times 1) = \)
16. \(4 \times 2 \times 5 = \) 17. \((3 \times 2) \times 10 = \) 18. \(4 \times 2 \times 7 = \)

Find the missing factor.

19. \((8 \times \text{____}) \times 8 = 0 \) 20. \(\text{____} \times (3 \times 2) = 36 \) 21. \((\text{____} \times 4) \times 3 = 12 \)
22. \(6 \times (3 \times \text{____}) = 54 \) 23. \((3 \times 3) \times \text{____} = 90 \) 24. \(\text{____} \times (5 \times 2) = 80 \)
25. \((\text{____} \times 1) \times 1 = 6 \) 26. \(4 \times (\text{____} \times 4) = 32 \) 27. \((2 \times 4) \times \text{____} = 64 \)

Mixed Review

Write the missing number that makes each sentence true.

28. \(9 + \text{____} = 20 \) 29. \(8 = \text{____} - 3 \)
30. \(\text{____} + 13 = 44 \) 31. \(560 = 200 + \text{____} \)

Write <, >, or = for each .

32. \(544 \bigcirc 544 \) 33. \(5,106 \bigcirc 5,099 \) 34. \(467 + 3 \bigcirc 471 \)

Continue the pattern.

35. \(6, 12, 18, 24, \text{____}, \text{____}, \text{____}, \text{____} \)
36. \(39, 49, \text{____}, 69, \text{____}, \text{____}, \text{____} \)
37. \(75, 70, 65, 60, 55, \text{____}, \text{____}, \text{____} \)
Problem Solving Skill
Multistep Problems
Solve.

1. Taylor bought 6 used books that cost $2 each. He also bought 3 used books that cost $4 each. How much did Taylor spend on used books?

2. Tina has 3 rows of 8 rocks in her rock collection. She wants to double her collection. How many rocks will Tina have when she doubles her collection?

3. Howard has $138 and Tess has $149. They need a total of $250 to buy a recliner chair for their father. How much more money do they have than they need?

4. To raise money for school, Megan sold 8 magazine subscriptions. Parker sold 7 subscriptions. Each subscription raises $5 for the school. How much money did they raise in all?

5. The Romers drove 613 miles in 3 days. They drove 251 miles the first day and 168 miles the second day. How far did they drive on the third day?

6. Two friends are comparing money. Bert has 8 quarters and 7 dimes. Ernie has 10 quarters and 7 nickels. Who has the most money? How much more money than his friend does he have?

7. 20, 40, 60, 80, ____, ____, ____

8. 12, 14, 15, 17, 18, 20, ____, ____

Mixed Review
Continue the pattern.

Find the product.

9. \((2 \times 3) \times 9 = \) ____

10. \(6 \times (3 \times 3) = \) ____
The Meaning of Division

Complete the table. Use counters to help.

<table>
<thead>
<tr>
<th>Counters</th>
<th>Number of equal groups</th>
<th>Number in each group</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 10</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2. 12</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>3. 16</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>4. 18</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>5. 21</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

For 6–9, use counters.

6. Four family members want to share a bag of 20 pretzels equally. How many pretzels will each person get?

7. Carrie and two friends are sharing a pizza cut into 12 slices. If each person eats the same number of slices, how many slices will each person get?

8. Six students are sharing the job of watering the classroom plants. Each student waters 3 plants. How many plants are in the classroom altogether?

9. Emma’s friends are helping her write a total of 16 invitations. Each person has 4 invitations to write. How many people are working together?

Mixed Review

Solve.

10. $77.42 \quad 11. \quad 3,071 \quad 12. \quad 468 \quad 13. \quad 818
    \quad -$24.59 \quad + \quad 809 \quad -312 \quad -607

14. \quad 6 \quad 15. \quad 8 \quad 16. \quad 7 \quad 17. \quad 3
    \quad \times 5 \quad \times 9 \quad \times 4 \quad \times 2
Relate Subtraction and Division

Write a division sentence for each.

1. \( \frac{15}{3} = 5 \)
2. \( \frac{18}{6} = 3 \)
3. \( \frac{10}{2} = 5 \)
4. \( \frac{16}{4} = 4 \)

Use subtraction to solve.

5. \( 12 \div 3 = \)____
6. \( 20 \div 4 = \)____
7. \( 30 \div 5 = \)____
8. \( 6 \div 2 = \)____

Mixed Review

9. \( 271 + 409 = \)____
10. \( 9,006 - 7,847 = \)____
11. \( 7 \times 6 = \)____
12. \( 4 \times 9 = \)____
13. \( 7 \times 7 = \)____
14. \( 8 \times 3 = \)____
15. \( 8 \times 6 = \)____
Algebra: Relate Multiplication and Division

Complete.

1. [Array 1]
2. [Array 2]
3. [Array 3]

4 rows of ____ = 20
3 rows of ____ = 21
4 rows of ____ = 36

20 ÷ 4 = ____
21 ÷ 3 = ____
36 ÷ 4 = ____

Complete each number sentence. Draw an array to help.

4. 6 × ____ = 18
5. 32 ÷ 8 = ____
6. 4 × 5 = ____

Complete.

7. 3 × 3 = 36 ÷ ____
8. ____ × 5 = 40 ÷ 4

Mixed Review

9. 8 × 6 = ____
10. 4 × 9 = ____
11. 7 × 2 = ____

12. 760
    \[\underline{-152} \]
    \[\underline{+534} \]
    \[\underline{-5,833} \]

13. 3,789
14. 8,117
15. 6,211
16. 380
17. 7,117

15. 6,211
    \[\underline{-5,819} \]
    \[\underline{+8,495} \]
    \[\underline{+2,981} \]
Algebra: Fact Families

Write the fact family.
1. 4, 9, 36
   ____________
   ____________
   ____________

2. 8, 3, 24
   ____________
   ____________
   ____________

3. 6, 4, 24
   ____________
   ____________
   ____________

4. 6, 6, 36
   ____________
   ____________
   ____________

5. 7, 7, 49
   ____________
   ____________
   ____________

6. 5, 5, 25
   ____________
   ____________
   ____________

Find the quotient or product.
7. $5 \times 7 = \underline{}$
8. $7 \times 5 = \underline{}$
9. $35 \div 7 = \underline{}$
10. $35 \div 5 = \underline{}$

Write the other three sentences in the fact family.
11. $6 \times 3 = 18$
    ____________
    ____________
    ____________

12. $4 \times 5 = 20$
    ____________
    ____________
    ____________

13. $2 \times 7 = 14$
    ____________
    ____________
    ____________

Mixed Review
Write $+, -, \times, \text{ or } \div$ in each $\bigcirc$.

14. $36 \bigcirc 4 = 9$
15. $18 \bigcirc 12 = 6$
16. $2 \bigcirc 8 = 16$
17. $72 \bigcirc 9 = 8$
18. $14 \bigcirc 4 = 10$
19. $9 \bigcirc 6 = 54$
Problem Solving Strategy

Write a Number Sentence

Write a number sentence to solve.

1. Mrs. Scott bought 3 packages of hot dogs. Each package has 8 hot dogs. How many hot dogs did she buy in all?

2. A class of 27 students is working in groups of 3 on an art project. How many groups are there?

3. Melissa took 24 photographs. She put 4 photographs on each page of her album. How many pages did she use?

4. Tim planted 5 rows of corn. There are 6 corn plants in each row. How many corn plants are there in all?

Mixed Review

5. $2.42 + $5.65

6. $4.91 - $0.76

7. $8.56 - $3.28

8. $7.99 + $1.99

9. $8 \times 5$

10. $5 \times 8$

11. $9 \times 9$

12. $6 \times 8$

13. $3 \times 7 = ____$

14. $6 \times 9 = ____$

15. $10 \times 4 = ____$

16. $4 \times 7 = ____$

Write +, −, ×, or ÷ in each circle.

17. $84 \bigcirc 25 = 59$

18. $6 \bigcirc 8 = 48$

19. $32 \bigcirc 73 = 105$

20. $54 \bigcirc 9 = 63$

21. $7 \bigcirc 6 = 42$

22. $9 \bigcirc 5 = 45$
Divide by 2 and 5

Find each missing factor and quotient.

1. \(2 \times \underline{\phantom{0}} = 8\)  
2. \(30 \div 5 = \underline{\phantom{0}}\)  
3. \(16 \div 2 = \underline{\phantom{0}}\)

4. \(45 \div 5 = \underline{\phantom{0}}\)  
5. \(5 \times \underline{\phantom{0}} = 25\)  
6. \(8 \div 2 = \underline{\phantom{0}}\)

7. \(5 \times \underline{\phantom{0}} = 15\)  
8. \(2 \times \underline{\phantom{0}} = 20\)  
9. \(2 \times \underline{\phantom{0}} = 12\)

Find each quotient.

10. \(18 \div 2 = \underline{\phantom{0}}\)  
11. \(35 \div 5 = \underline{\phantom{0}}\)  
12. \(40 \div 5 = \underline{\phantom{0}}\)

13. \(4 \div 2 = \underline{\phantom{0}}\)  
14. \(10 \div 2 = \underline{\phantom{0}}\)  
15. \(5 \div 5 = \underline{\phantom{0}}\)

16. \(5 \div 30\)  
17. \(2 \div 14\)  
18. \(5 \div 20\)  
19. \(5 \div 5\)

20. \(2 \div 12\)  
21. \(2 \div 8\)  
22. \(5 \div 15\)  
23. \(5 \div 40\)

Complete.

24. \(20 \div 2 = \underline{\phantom{0}}\)  
25. \(15 \div 5 = \underline{\phantom{0}} \times 1\)  
26. \(40 \div 5 = \underline{\phantom{0}} \times 2\)

Mixed Review

27. \(9 \times 3 \times \underline{\phantom{0}} = 81\)  
28. \(\underline{\phantom{0}} \times 6 \times 2 = 12\)  
29. \(9 \times \underline{\phantom{0}} = 63\)

Add 1,000 to each.

30. \(32,605\)  
31. \(20,001\)  
32. \(518\)  
33. \(6\)

Write A.M. or P.M.

34. ten minutes after midnight  
35. time to go to bed  
36. ten minutes before noon  
37. ten minutes before midnight

__________  
__________  
__________  
__________
Divide by 3 and 4

Write the multiplication fact you can use to find the quotient. Then write the quotient.

1. \(36 \div 4\)  
2. \(21 \div 3\)  
3. \(28 \div 4\)


Find each quotient.

4. \(18 \div 3 = \)  
5. \(32 \div 4 = \)  
6. \(30 \div 3 = \)

7. \(8 \div 2 = \)  
8. \(12 \div 3 = \)  
9. \(12 \div 4 = \)

10. \(3 \overline{)15}\)  
11. \(4 \overline{)28}\)  
12. \(3 \overline{)27}\)  
13. \(4 \overline{)16}\)

14. \(4 \overline{)32}\)  
15. \(3 \overline{)9}\)  
16. \(4 \overline{)8}\)  
17. \(3 \overline{)30}\)

Complete.

18. \(12 \div 4 = \) \(\_ \times 3\)  
19. \(24 \div 4 = \) \(\_ \times 3\)  
20. \(27 \div 3 = \) \(\_ \times 3\)

Mixed Review

Solve.

21. \(8 \times 9\)  
22. \(7 \times 8\)  
23. \(6 \times 7\)  
24. \(5 \times 6\)  
25. \(4 \times 5\)

26. \(9 \times 9\)  
27. \(8 \times 8\)  
28. \(7 \times 7\)  
29. \(6 \times 6\)  
30. \(5 \times 5\)

31. \(\$13.87 + \$25.62\)  
32. \(\$45.16 + \$82.37\)  
33. \(\$63.27 + \$37.92\)  
34. \(\$49.95 + \$77.85\)
Divide with 0 and 1

Find each quotient.

1. \(7 \div 7 = \) _____
2. \(0 \div 5 = \) _____
3. \(4 \div 1 = \) _____
4. \(8 \div 1 = \) _____
5. \(6 \div 6 = \) _____
6. \(0 \div 3 = \) _____
7. \(2 \div 2 = \) _____
8. \(0 \div 8 = \) _____
9. \(2 \div 1 = \) _____
10. \(0 \div 4 = \) _____
11. \(3 \div 1 = \) _____
12. \(5 \div 5 = \) _____
13. \(4 \div 4 = \) _____
14. \(9 \div 1 = \) _____
15. \(0 \div 2 = \) _____
16. \(7 \div 1 = \) _____
17. \(9 \div 9 = \) _____
18. \(6 \div 1 = \) _____
19. \(0 \div 1 = \) _____
20. \(0 \div 9 = \) _____
21. \(3 \div 3 = \) _____

Compare. Write <, >, or = for each \(\bigcirc\).

22. \(7 \div 7 \bigcirc 7 \div 1\)
23. \(9 \div 9 \bigcirc 10 - 9\)
24. \(5 \div 1 \bigcirc 5 + 1\)
25. \(0 \div 6 \bigcirc 6 + 0\)
26. \(2 + 4 \bigcirc 0 \div 6\)
27. \(3 \div 1 \bigcirc 3 \times 1\)

**Mixed Review**

28. \(475 - 352 = \) _____
29. \(450 + 640 = \) _____
30. \(7,991 - 4,328 = \) _____
31. \(665 + 392 = \) _____

32. \(\$3.67 + \$2.33 = \) _____
33. \(\$4.27 + \$3.59 = \) _____
34. \(\$28.95 - \$17.60 = \) _____
35. \(\$13.40 - \$11.72 = \) _____

Find each missing number.

36. \(6 \div \_\_\_\_\_\_ = 2\)
37. \(8 \div \_\_\_\_\_\_ = 8\)
38. \(\_\_\_\_\_\_ \div 4 = 1\)
39. \(\_\_\_\_\_\_ \div 7 = 0\)
Write Expressions

Write an expression to describe each problem.

1. Kim has 18 craft sticks. His mother gives him 3 more. How many craft sticks does he have now?

2. Four students share 36 tacks. How many tacks does each student get?

3. Beth has a photo album with 9 pages. She can fit 8 photos on each page. How many photos can be put in the album?

4. Tim stacked 20 blocks. He then took away 8 of them. How many blocks remained in the stack?

5. Vinnie is 5 years younger than Carly. Vinnie is 15 years old. How old is Carly?

6. Mindy has $1.00. She spends $0.85 on lunch. How much money does she have left?

7. Pauline has 35 baseball cards. She buys 5 more cards. How many cards does she have altogether?

8. Matthew is 2 times as old as Greg. Greg is 6 years old. How old is Matthew?

Mixed Review

Add, subtract, multiply, or divide.

9. \[ \frac{6}{3} \times 3 \]

10. \[ \frac{45}{68} + 68 \]

11. \[ 101 - 73 \]

12. \[ \frac{45}{5} \]

Fill in the missing number in the problem.

13. \[ \frac{3,672 + 4,020}{323} \]

14. \[ 888 - 323 \]

15. \[ \frac{4 \times 36}{6} \]

16. \[ \frac{9}{6} \]
Problem Solving Skill

Choose the Operation

Write a number sentence. Then solve.

1. There are 9 mice in each cage. There are 3 cages. How many mice are there in all?

2. Izzy and Tom are cats. Izzy weighs 9 pounds and Tom weighs 12 pounds. How much more does Tom weigh than Izzy?

3. Mrs. Ellis buys 9 cans of cat food. She already has 8 cans of cat food at home. How many cans does she have now?

4. Mr. Davis has 24 goldfish. He puts 8 fish in each fish bowl. How many fish bowls does he use?

Mixed Review

5. $0 \div 3 = \_\_\_\_$

6. $18 \div 2 = \_\_\_\_$

7. $42 + 39 + 72 = \_\_\_\_$

8. $742 - 329 = \_\_\_\_$

9. Divide 30 by 3. \_\_\_\_

10. Divide 72 by 8. \_\_\_\_

11. $4,422 - 3,795 = 622$

12. $6,219 - 1,706 = 4,513$

13. $3,290 + 2,416 = 5,706$

14. $5,554 - 4,787 = 767$

Find each missing factor, divisor, or quotient.

15. \_\_\_\_$ \times 4 = 24

16. $49 \div \_\_\_\_\_ = 7$

17. $36 \div 9 = \_\_\_\_$

18. $8 \times \_\_\_\_\_ = 64$
Divide by 6, 7, and 8

Find the missing factor or quotient.

1. $7 \times \underline{\;\;} = 42$  
2. $30 \div 6 = \underline{\;\;}$  
3. $16 \div 8 = \underline{\;\;}$

4. $36 \div 6 = \underline{\;\;}$  
5. $8 \times \underline{\;\;} = 56$  
6. $21 \div 7 = \underline{\;\;}$

7. $7 \times \underline{\;\;} = 63$  
8. $6 \times \underline{\;\;} = 48$  
9. $8 \times \underline{\;\;} = 72$

Find the quotient.

10. $18 \div 6 = \underline{\;\;}$  
11. $32 \div 8 = \underline{\;\;}$  
12. $40 \div 8 = \underline{\;\;}$

13. $49 \div 7 = \underline{\;\;}$  
14. $12 \div 6 = \underline{\;\;}$  
15. $35 \div 7 = \underline{\;\;}$

16. $7\overline{14}$  
17. $7\overline{28}$  
18. $6\overline{24}$  
19. $7\overline{14}$

20. $7\overline{63}$  
21. $6\overline{30}$  
22. $6\overline{54}$  
23. $8\overline{24}$

Complete.

24. $36 \div 6 = \underline{\;\;} \times 3$  
25. $56 \div 7 = \underline{\;\;} + 3$  
26. $8 \div 8 = \underline{\;\;} - 3$

Mixed Review

Write the numbers in order from greatest to least.

27. 19  
28. 2,013  
29. 315  
30. 30,500

43  
2,130  
272  
30,099

38  
3,120  
156  
30,122

31. 14  
32. 74  
33. 411  
34. 7,000  
35. 6,100

22  
28  
260  
3,000  
5,100

$+ 69$  
$+ 32$  
$+ 591$  
$+ 1,000$  
$+ 3,000$
Divide by 9 and 10

Find the missing factor or quotient.

1. $9 \times ____ = 45$
2. $30 \div 10 = ____$
3. $18 \div 9 = ____$
4. $36 \div 9 = ____$
5. $9 \times ____ = 54$
6. $20 \div 10 = ____$
7. $9 \times ____ = 81$
8. $10 \times ____ = 80$
9. $10 \times ____ = 40$

Find the quotient.

10. $72 \div 9 = ____$
11. $63 \div 9 = ____$
12. $40 \div 8 = ____$
13. $60 \div 10 = ____$
14. $9 \div 1 = ____$
15. $81 \div 9 = ____$

16. $10\overline{10}$
17. $9\overline{27}$
18. $9\overline{54}$
19. $10\overline{70}$

20. $9\overline{63}$
21. $9\overline{90}$
22. $10\overline{90}$
23. $10\overline{100}$

Complete.

24. $54 \div 9 = ____ \times 3$
25. $80 \div 10 = ____ - 7$
26. $36 \div 9 = ____ + 3$

Write $+$, $-$, $\times$, or $\div$ for each $\bigcirc$.

27. $36 \bigcirc 4 = 9$
28. $18 \bigcirc 6 = 12$
29. $9 \bigcirc 3 = 27$
30. $16 \bigcirc 8 = 24$

Mixed Review

Solve.

31. Divide 45 by 5.
32. Divide 24 by 6.
33. Divide 48 by 8.

Write the time.

34. 18 minutes after noon
35. 18 minutes before noon
36. 20 minutes before 1:15 P.M.
Practice Division Facts Through 10

Write a division sentence for each.

1. 2. 3.

Find the missing factor or quotient.

4. $50 \div 5 = \underline{\hspace{1cm}}$  
5. $7 \times \underline{\hspace{1cm}} = 49$  
6. $45 \div 9 = \underline{\hspace{1cm}}$

7. $6 \times \underline{\hspace{1cm}} = 54$  
8. $72 \div 8 = \underline{\hspace{1cm}}$  
9. $4 \times \underline{\hspace{1cm}} = 40$

Find the quotient.

10. $36 \div 6 = \underline{\hspace{1cm}}$  
11. $24 \div 8 = \underline{\hspace{1cm}}$  
12. $42 \div 7 = \underline{\hspace{1cm}}$

13. $56 \div 8 = \underline{\hspace{1cm}}$  
14. $63 \div 7 = \underline{\hspace{1cm}}$  
15. $14 \div 2 = \underline{\hspace{1cm}}$

16. $8 \div 64$  
17. $10 \div 10$  
18. $5 \div 35$  
19. $9 \div 27$  
20. $7 \div 70$  
21. $5 \div 30$  
22. $4 \div 36$  
23. $7 \div 49$

Compare. Write $<$, $>$, or $=$ for each $\bigcirc$.

24. $36 - 6 \bigcirc 8 \times 3$  
25. $18 \div 9 \bigcirc 0 + 3$  
26. $64 \div 8 \bigcirc 2 \times 4$

Mixed Review

Write a multiplication sentence for each.

27. 28. 29. 30.
Algebra: Find the Cost

Complete the table. Use the price list at the right.

<table>
<thead>
<tr>
<th>1. Hot dogs</th>
<th>2</th>
<th>4</th>
<th>6</th>
<th>8</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cost</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For 2–10, use the price list at the right to find the cost of each number of items.

2. 5 soft drinks
3. 8 hamburgers
4. 9 tuna salads
5. 7 tuna salads
6. 5 hot dogs
7. 6 hamburgers
8. 9 hot dogs
9. 3 soft drinks
10. 5 tuna salads

Find the cost of one of each item.

11. 6 pens cost $18
12. 4 CDs cost $36
13. 9 salads cost $36
14. 8 mice cost $40
15. 7 gerbils cost $56
16. 9 hamsters cost $45
17. 3 cages cost $30
18. 8 balls cost $48
19. 5 games cost $35

Mixed Review

Continue each pattern.

20. 3, 10, 13, 20, 23, 30, ____; ____ 21. 9, 7, 10, 8, 11, 9, ____; ____

Add.

22. 1,382
   7,344
   + 2,196
   ________
23. 1,152
   634
   + 776
   ________
24. 4,848
   7,474
   + 4,994
   ________
25. 618
   554
   + 920
   ________
Problem Solving Strategy

Work Backward

Work backward to solve.

1. Mr. Ruiz sells mailboxes. He sold 5 mailboxes and then made 12 more. Now he has 15 mailboxes. How many did he begin with?

3. Josh has 17 quarters and 28 dimes in his bank. There are 102 coins in the bank. How many are not quarters or dimes?

4. Tim sells picture frames. He sold 14 and then made 8 more. Now he has 23 frames. How many did he begin with?

Mixed Review

Solve.

5. 274
   36
   +183

6. $1.92
   $3.34
   +$0.57

7. $2.52
   $1.12
   +$0.67

8. 381
   77
   +342

Continue each pattern.

9. 2, 9, 16, 23, _____, _____
10. 36, 31, 26, 21, _____, _____
11. 11, 14, 17, 20, _____, _____
12. 64, 58, 52, 46, _____, _____

Multiply.

13. 9 × 10 = _____
14. 7 × 4 = _____
15. 8 × 8 = _____
16. 4 × 3 = _____
17. 5 × 9 = _____
18. 7 × 5 = _____
19. 6 × 7 = _____
20. 9 × 7 = _____
Collect and Organize Data

1. Make a tally table of four kinds of pets. Ask some of your classmates which pet they like best. Make a tally mark beside the name of the pet each one chooses.

3. Which type of pet did the most classmates choose? the fewest?

2. Use the data from your tally table to make a frequency table.

4. Compare your tables with those of your classmates. Did everyone get the same results?

Mixed Review
Write $>$, $<$, or $=$ for each $\bigcirc$.

5. $6 \div 1 \bigcirc 6 \div 6$
6. $10 \times 4 \bigcirc 5 \times 9$
7. $12 + 12 \bigcirc 10 + 13$
8. $354 \bigcirc 370 - 30$
9. $236 + 3 \bigcirc 239$
10. $54 \div 9 \bigcirc 70 \div 10$
11. $3 \times 3 \bigcirc 10 \times 1$
12. $0 \div 6 \bigcirc 0 \div 7$

Solve.

13. $500 - 238$
14. $104 - 57$
15. $78 + 46$
16. $518 + 203$
17. $729 + 819$
Understand Data

For 1–4, use the tally table.

1. List the games in order from the most to the least chosen.

   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________

2. How many people answered the survey?

   ________________________________________________________________

3. How many more people like jump rope than four-square?

4. How many fewer people like follow-the-leader than jump rope?

   ________________________________________________________________

Mixed Review

5. \[\begin{align*} 
106 + 894 &= 1000 + 894 \\
 &\quad = 1904 
\end{align*}\]

6. \[\begin{align*} 
1,219 + 6,537 &= 1,219 + 6,537 \\
 &\quad = 7,756 
\end{align*}\]

7. \[\begin{align*} 
9,213 - 3,219 &= 9,213 - 3,219 \\
 &\quad = 5,994 
\end{align*}\]

8. \[\begin{align*} 
4,266 - 875 &= 4,266 - 875 \\
 &\quad = 3,391 
\end{align*}\]

9. \[\begin{align*} 
8 \times 4 &= 32 \\
10. 1 \times 9 &= 9 \\
11. 12 \times 0 &= 0 \\
12. 4 \times 6 &= 24 \\
13. 7 \times 7 &= 49 
\end{align*}\]

14. Find the sum of 804 and 159. _______

15. Which number is greater: 6,232 or 6,323? _______

16. Round 2,975 to the nearest thousand. _______
Classify Data

For 1–5, use the table.

1. How many dogs have short, brown hair?

2. How many dogs have medium hair?

3. How many dogs have white hair?

4. What color hair do only 4 dogs have?

5. How many dogs are owned by the class?

6. Look at the marbles at the right. Make a table to classify, or group, the marbles.

<table>
<thead>
<tr>
<th>DOGS OWNED BY STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Hair</td>
</tr>
<tr>
<td>Short Hair</td>
</tr>
<tr>
<td>Medium Hair</td>
</tr>
<tr>
<td>Long Hair</td>
</tr>
</tbody>
</table>

Mixed Review

Solve.

7. \[ 7,004 + 1,664 = \]
8. \[ 1,241 - 1,123 = \]
9. \[ 3,536 + 5,544 = \]
10. \[ 9,432 - 6,780 = \]
Problem Solving Strategy

Make a Table

Solve.

1. Karen and José are doing an experiment with a spinner and a coin. They spin the pointer on the spinner and flip the coin. Then they record the results. They will repeat this experiment 15 times. Show how they could organize a table about their experiment.

2. Phillip is doing an experiment with two coins. In it, he will toss both coins 25 times and record the results after each pair of tosses. Show how he could organize a table about his experiment.

Mixed Review

Round to the nearest 100 and 1,000.

3. 1,355 ____________________ 4. 5,667 ____________________
5. 7,572 ____________________ 6. 4,140 ____________________
7. 9,454 ____________________ 8. 6,905 ____________________

Divide.

9. 15 ÷ 3 = ____ 10. 49 ÷ 7 = ____ 11. 63 ÷ 9 = ____
12. 8 ÷ 8 = ____ 13. 30 ÷ 5 = ____ 14. 48 ÷ 6 = ____

PW72 Practice
Problem Solving Strategy

**Make a Graph**

Choose one of the ideas shown at the right for making a pictograph.

Take a survey to collect the data. Then make a pictograph in the space below. Decide on a symbol and key for the graph. Include a title and labels.

---

**Key:** Each _____ = ________.

1. Tell how you chose a symbol, or picture, for your pictograph.

   _______________________________________________________

   _______________________________________________________

   _______________________________________________________

   _______________________________________________________

2. Explain how you chose a key for your pictograph.

   _______________________________________________________

   _______________________________________________________

   _______________________________________________________

**Mixed Review**

Write the value of the underlined digit.

3. 2,235 ________  

4. 21,507 ________  

5. 16,110 ________
Read Bar Graphs

For 1–4, use the bar graph.

1. What type of bar graph is this?

2. How many students named lions as their favorite stuffed animal? frogs? dogs?

3. Which stuffed animal is the favorite of the most students? of the fewest students?

4. How many students in all voted for their favorite stuffed animal?

Mixed Review

Find the missing factor.

5. $20 = 10 \times \underline{\hspace{2cm}}$
6. $\underline{\hspace{2cm}} \times 3 = 27$
7. $8 \times \underline{\hspace{2cm}} = 32$
8. $\underline{\hspace{2cm}} \times 5 = 25$
9. $6 \times \underline{\hspace{2cm}} = 24$
10. $1 \times \underline{\hspace{2cm}} = 11$
11. $7 \times \underline{\hspace{2cm}} = 56$
12. $24 = 8 \times \underline{\hspace{2cm}}$
13. $\underline{\hspace{2cm}} \times 6 = 0$

Solve.

14. $12 \div 2 = \underline{\hspace{2cm}}$
15. $7 \div 1 = \underline{\hspace{2cm}}$
16. $8 \div 2 = \underline{\hspace{2cm}}$
17. $9 \div 3 = \underline{\hspace{2cm}}$
18. $10 \div 5 = \underline{\hspace{2cm}}$
19. $6 \div 3 = \underline{\hspace{2cm}}$
20. $9 \times 9 = \underline{\hspace{2cm}}$
21. $6 \times 9 = \underline{\hspace{2cm}}$
22. $4 \times 7 = \underline{\hspace{2cm}}$

23. $6,890 + 8,054 = \underline{\hspace{2cm}}$
24. $3,211 + 7,618 = \underline{\hspace{2cm}}$
25. $5,765 + 5,765 = \underline{\hspace{2cm}}$
26. $9,298 + 5,431 = \underline{\hspace{2cm}}$
Make Bar Graphs

Make a horizontal bar graph of the data in the table at the right. Use a scale of 2. Remember to write a title and labels for the graph.

<table>
<thead>
<tr>
<th>FAVORITE DRINKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drink</td>
</tr>
<tr>
<td>Water</td>
</tr>
<tr>
<td>Punch</td>
</tr>
<tr>
<td>Milk</td>
</tr>
<tr>
<td>Juice</td>
</tr>
<tr>
<td>Soda</td>
</tr>
</tbody>
</table>

For 1–2, use your bar graph.

1. What does the graph show? _______________________
2. How many bars end halfway between two lines? _______________________

Mixed Review

Write <, >, or = in each ⃝.

3. $32 \div 8$ ⃝ $1 \times 4$
4. $6 + 6$ ⃝ $20$
5. $5 \times 2$ ⃝ $10 - 1$
6. $7 \times 7$ ⃝ $9 \times 6$
7. $18 \div 2$ ⃝ $3 + 11$
8. $72 - 30$ ⃝ $9 \times 3$
Line Plots

For 1–3, use the line plot at the right.

1. The \( \times \)'s on this line plot represent the number of students. What do the numbers on the line plot represent?

2. What is the range of numbers used in this line plot?

3. What is the mode, or number that occurs most often, for this set of data?

4. Use the data in the table to complete the line plot.

<table>
<thead>
<tr>
<th>Number of Slices</th>
<th>Number of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>11</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

Slices of Pizza Eaten

Mixed Review

Find each product or quotient.

5. \( 10 \times 7 = \) __
6. \( 7 \times 9 = \) __
7. \( 6 \times 1 = \) __
8. \( 8 \times 2 = \) __
9. \( 8 \div 4 = \) __
10. \( 36 \div 6 = \) __
11. \( 0 \div 22 = \) __
12. \( 45 \div 9 = \) __
Locate Points on a Grid

For 1–4, use the grid at the right. Write the letter of the point named by the ordered pair.

1. (4,5)  
2. (1,6)  
3. (6,2)  
4. (2,2)  

For 5–10, use the grid at the right. Write the ordered pair for each fruit.

5. apple  
6. orange  
7. banana  
8. grape  
9. kiwi  
10. peach  

Mixed Review

Find the missing factor.

11. $3 \times \underline{\hspace{2cm}} = 21$  
12. $4 \times \underline{\hspace{2cm}} = 16$  
13. $\underline{\hspace{2cm}} \times 4 = 24$  
14. $7 \times \underline{\hspace{2cm}} = 56$  
15. $\underline{\hspace{2cm}} \times 9 = 54$  
16. $5 \times \underline{\hspace{2cm}} = 50$

Solve.

17. \[\begin{array}{c} 767 \\ -234 \end{array}\]  
18. \[\begin{array}{c} 9,870 \\ -5,925 \end{array}\]  
19. \[\begin{array}{c} 611 \\ +382 \end{array}\]  
20. \[\begin{array}{c} 2,195 \\ +8,214 \end{array}\]

21. $0 \times 8 = \underline{\hspace{2cm}}$  
22. $3 \times 5 = \underline{\hspace{2cm}}$  
23. $48 \div 8 = \underline{\hspace{2cm}}$  
24. $81 \div 9 = \underline{\hspace{2cm}}$

25. $2 \times 10 = \underline{\hspace{2cm}}$  
26. $9 \times 8 = \underline{\hspace{2cm}}$  
27. $36 \div 4 = \underline{\hspace{2cm}}$  
28. $42 \div 7 = \underline{\hspace{2cm}}$

29. $4 \times 3 = \underline{\hspace{2cm}}$  
30. $5 \times 6 = \underline{\hspace{2cm}}$  
31. $12 \div 1 = \underline{\hspace{2cm}}$  
32. $0 \div 7 = \underline{\hspace{2cm}}$
**Read Line Graphs**

For 1–4, use the line graph at the right.

1. Joyce made this line graph to show the number of pages she read each day in a mystery book. On what day did Joyce read the most pages? the fewest?

2. How many pages did Joyce read on Thursday?

3. On which two days did Joyce read the same number of pages?

4. How many more pages did Joyce read on Friday than on Monday?

**Mixed Review**

Solve.

5. $3\div18$  
6. $5\div25$  
7. $6\div24$  
8. $7\div63$

9. $10\div10$  
10. $8\div24$  
11. $10\div20$  
12. $2\div14$

13. $1,234 + 5,673$  
14. $3,179 + 3,298$  
15. $2,051 - 1,009$  
16. $8,233 - 4,649$
Certain and Impossible

Vocabulary

Fill in the blank with the correct word.

event  certain  impossible

1. An event is _________ if it will never happen.

2. An _________ is something that happens.

3. An event is _________ if it will always happen.

Tell whether each event is certain or impossible.

4. Pencils will fall from the sky.  5. Winter in Alaska is cold.

6. You will walk to the moon tonight.

7. Putting your hand in boiling water will burn you.

For 8–9, use the numbered tile. Tell whether each event is certain or impossible.

8. dropping a coin on an odd number _________

9. dropping a coin on a number greater than 9 _________

Mixed Review

Find the sum or the difference.

10. $75 + 39$
11. $94 + 28$
12. $19 + 26$
13. $47 - 38$
14. $66 - 27$

15. $86 - 36$
16. $943 - 218$
17. $208 - 109$
18. $705 - 329$

Find the product.

19. $9 \times 8 = ___$
20. $7 \times 6 = ___$
21. $6 \times 4 = ___$
22. $5 \times 9 = ___$
Likely and Unlikely

For 1–2, tell whether each event is likely or unlikely.

1. having the same birthday as 5 other classmates ___________
2. eating a piece of fruit—or some food with fruit in it—today ____

For 3–4, look at the set of cards and spinner.

3. Suppose these cards are mixed up and placed face-down. If you turn over one card, which number are you unlikely to choose? Why?

4. Which letter on the spinner are you likely to spin? Explain.

Mixed Review

5. $9\overline{81}$  
6. $5\overline{10}$  
7. $6\overline{36}$  
8. $7\overline{49}$

9. $4\overline{40}$  
10. $3\overline{24}$  
11. $7\overline{56}$  
12. $10\overline{20}$

13. $9 \times 3$  
14. $7 \times 6$  
15. $4 \times 8$  
16. $6 \times 6$

17. $9 \times 2$  
18. $5 \times 7$  
19. $9 \times 5$  
20. $3 \times 7$
Possible Outcomes

For 1–4, list the possible outcomes of each event.

1. dropping a marker on one of these squares
   2. pulling a number from this bag

   3. rolling a cube labeled A–F

   4. using this spinner

5. Karen has a bag of 4 blue balls, 2 green balls, and 1 red ball. What is the chance that she will pull a green ball from the bag?

6. Martin spins the pointer. What is his chance of spinning a square?

7. Gia used this spinner. The pointer landed on black 1 time, and on white 1 time. Predict the color it will land on next. What is the chance she will spin gray?

Mixed Review

Write the fraction that names the white part of the spinner.

8. 9. 10. 11.
Experiments

Read the following experiment.

Marsha has a bag filled with 20 tiles. There are 7 blue, 2 green, 4 yellow, and 7 red tiles. She pulls a tile from the bag 10 times. Below is a list of the outcomes of the 10 pulls.

1–red 6–red
2–blue 7–blue
3–red 8–yellow
4–yellow 9–red
5–green 10–blue

Record the results in the tally table.

Use your tally table to answer 1–3.

1. What color did she pull most often?

2. What color did she pull least often?

3. Why do you think this is so?

MARSHA’S EXPERIMENT

<table>
<thead>
<tr>
<th>Color</th>
<th>Tally</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td></td>
</tr>
</tbody>
</table>

Mixed Review

Solve.

4. 33 + 17 = 50
5. 79 + 82 = 161
6. 543 + 108 = 651
7. 412 + 344 = 756
8. 190 + 150 = 340
9. 222 + 279 = 501
10. 987 + 213 = 1200
11. 557 + 904 = 1461
12. 10 × 4 = 40
13. _____ × 9 = 27
14. 5 × _____ = 40

PW82 Practice
Predict Outcomes

1. This tally table shows the pulls from a bag of tiles. Predict which color is most likely to be pulled.

<table>
<thead>
<tr>
<th>Tally Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>black</td>
</tr>
<tr>
<td>green</td>
</tr>
<tr>
<td>red</td>
</tr>
</tbody>
</table>

2. The line plot below shows the results of rolling a number cube. Predict which number you would most likely roll.

3. This tally table shows the results of using a spinner. Predict whether the spinner will land on blue or red on the next spin.

<table>
<thead>
<tr>
<th>Tally Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>blue</td>
</tr>
<tr>
<td>red</td>
</tr>
</tbody>
</table>

4. This tally table shows the pulls from a bag of balls. Predict which color is least likely to be pulled.

<table>
<thead>
<tr>
<th>Tally Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>blue</td>
</tr>
<tr>
<td>white</td>
</tr>
<tr>
<td>purple</td>
</tr>
</tbody>
</table>

Mixed Review

Complete.

5. 35¢ = _______ pennies
6. $2.00 = _______ dimes
7. 75¢ = _______ quarters
8. 65¢ = _______ nickels

Underline the number that is less.

9. 35 or 54
10. 91 or 88
11. 110 or 100
Problem Solving Skill

Draw Conclusions

Vocabulary

Fill in the blank.

1. A game is ______ if every player has an equal chance to win.

Circle the box of balls or bag of letters that is fair. For each unfair box or bag, write the most likely outcome.

2. 3. 4. 5.

Mixed Review

Add.

6. 45 7. 333 8. 700 9. 176
   +26 +129 +219 +206

Round to the nearest thousand.

10. 2,780 ______ 11. 1,376 ______ 12. 4,900 ______ 13. 3,100 ______

Find the missing addend.

14. 900 + _____ = 1,000 15. _____ + 779 = 979 16. 954 + _____ = 1,250
Multiply 2-Digit Numbers

Use the array to help find the product.

1.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 2 & & & & & & & & & \\ \hline \end{array} \]  \quad 2 \times 10 = 20

2.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 10 & & & & & & & & & \\ \hline \end{array} \]  \quad 2 \times 4 = 8

3.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 3 & & & & & & & & & \\ \hline \end{array} \]  \quad 3 \times 10 = 30

4.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 2 & & & & & & & & & \\ \hline \end{array} \]  \quad 3 \times 2 = 6

5.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 4 & & & & & & & & & \\ \hline \end{array} \]  \quad 4 \times 10 = 40

6.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 14 & & & & & & & & & \\ \hline \end{array} \]  \quad 4 \times 3 = 12

7.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 3 & & & & & & & & & \\ \hline \end{array} \]  \quad 3 \times 10 = 30

8.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 8 & & & & & & & & & \\ \hline \end{array} \]  \quad 6 \times 10 = 60

9.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 7 & & & & & & & & & \\ \hline \end{array} \]  \quad 10 \times 7 = 70

10.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 9 & & & & & & & & & \\ \hline \end{array} \]  \quad 10 \times 9 = 90

11.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 5 & & & & & & & & & \\ \hline \end{array} \]  \quad 3 \times 5 = 15

12.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 9 & & & & & & & & & \\ \hline \end{array} \]  \quad 7 \times 9 = 63

13.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 10 & & & & & & & & & \\ \hline \end{array} \]  \quad 5 \times 7 = 35

14.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 3 & & & & & & & & & \\ \hline \end{array} \]  \quad 2 \times 3 = 6

15.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 11 & & & & & & & & & \\ \hline \end{array} \]  \quad 8 \times 9 = 72

16.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 8 & & & & & & & & & \\ \hline \end{array} \]  \quad 10 \times 9 = 90

17.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 9 & & & & & & & & & \\ \hline \end{array} \]  \quad 10 \times 9 = 90

18.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 10 & & & & & & & & & \\ \hline \end{array} \]  \quad 10 \times 9 = 90

19.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 7 & & & & & & & & & \\ \hline \end{array} \]  \quad 5 \times 9 = 45

20.  \[ \begin{array}{c|c|c|c|c|c|c|c|c|c} & & & & & & & & & \\ \hline & & & & & & & & & \\ \hline 6 & & & & & & & & & \\ \hline \end{array} \]  \quad 9 \times 9 = 81
Record Multiplication

Find the product. You may wish to use base-ten blocks.

1. \( \times 4 \)
2. \( \times 2 \)
3. \( \times 3 \)
4. \( \times 5 \)
5. \( \times 4 \)
6. \( \times 5 \)
7. \( \times 7 \)
8. \( \times 8 \)
9. \( \times 2 \)
10. \( \times 6 \)
11. \( \times 7 \)
12. \( \times 4 \)
13. \( \times 3 \)
14. \( \times 2 \)
15. \( \times 4 \)
16. \( \times 6 \)

Mixed Review

Solve.

17. \(3 \times 4 \times 2 = \) ____
18. \(8 \times 0 \times 9 = \) ____
19. \(5 \times 6 \times 1 = \) ____
20. \(7 \times 2 \times 5 = \) ____
21. Bob played with his friends for 1 hr and 30 minutes. They started playing at 2:15. At what time did they stop?
22. Dot’s birthday is 2 weeks from today. Today is February 4. On what date is Dot’s birthday?

Regroup. Write the missing number.

23. 5 tens 27 ones = ____ tens _____ ones
24. 2 tens 19 ones = ____ tens 9 ones
25. _____ tens 31 ones = 8 tens 1 one
Practice Multiplication

Find the product. Tell whether you need to regroup.
Write yes or no.

1. \(96 \times 3\)
2. \(21 \times 2\)
3. \(83 \times 5\)
4. \(56 \times 6\)

5. \(71 \times 3\)
6. \(45 \times 2\)
7. \(69 \times 5\)
8. \(83 \times 3\)

Find the product.

9. \(75 \times 3\)
10. \(28 \times 7\)
11. \(16 \times 4\)
12. \(33 \times 2\)

13. \(2 \times 84 = \)
14. \(3 \times 64 = \)
15. \(5 \times 32 = \)

Mixed Review

Write the value of the underlined digit.

16. \(86,459 \) 
17. \(342,196 \)
18. \(74,598 \)

19. \(2,437 \)
20. \(69,438 \)
21. \(11,302 \)

Complete.

22. \(\_ \times 9 = 36\)
23. \(56 = \_ \times 8\)
24. \(6 \times \_ = 54\)

25. \(17 + \_ = 44\)
26. \(\_ - 9 = 43\)
27. \(21 + \_ = 64\)

28. \(\_ \times 8 = 56\)
29. \(7 \times \_ = 28\)
30. \(5 \times \_ = 45\)

31. \(59 - \_ = 31\)
32. \(22 + \_ = 30\)
33. \(38 + \_ = 55\)

34. \(9 \times \_ = 36\)
35. \(\_ \times 5 = 40\)
36. \(7 \times \_ = 49\)
Problem Solving Skill

Choose the Operation

Write whether you would *add*, *subtract*, *multiply*, or *divide*. Then solve.

1. Susan’s family paid $36 for 4 used videos. Each video cost the same amount. How much did each video cost?

2. A third-grade class learns 18 spelling words one week and 16 the next week. How many words does the class learn in 2 weeks?

3. A lunch room seats 84 students. If there are 56 students in the lunch room, how many more students can the lunch room hold?

4. Maria has written 24 pages in her diary. She puts 3 daily entries on each page. How many daily entries has she written?

Mixed Review

Find the sum.

1. Susan’s family paid $36 for 4 used videos. Each video cost the same amount. How much did each video cost?

2. A third-grade class learns 18 spelling words one week and 16 the next week. How many words does the class learn in 2 weeks?

3. A lunch room seats 84 students. If there are 56 students in the lunch room, how many more students can the lunch room hold?

4. Maria has written 24 pages in her diary. She puts 3 daily entries on each page. How many daily entries has she written?

Mixed Review

Find the sum.

1. 14 + 18 = 32

2. 29 + 77 = 106

3. 63 + 49 = 112

4. 47 + 142 = 189

5. 8 + 114 = 122

6. 30 + 67 = 97

7. 30 + 38 = 68

8. 30 + 47 = 77

9. 20 + 8.99 = 28.99

10. 10.83 + 27.19 = 38.02

11. 753 + 495 = 1248

12. 934 + 248 = 1182

13. 295 + 692 = 987

14. 854 + 196 = 1050

15. 717 + 362 = 1079

16. 4,762 + 3,291 = 8,053

17. 9,132 + 4,376 = 13,508

18. 5,689 + 8,542 = 14,231

19. 1,911 + 8,149 = 10,060

20. 7,571 + 6,025 = 13,596

21. $14.29 + $6.33 = $20.62

22. $4.10 + $27.19 = $31.29

23. $2.05 + $8.99 = $11.04

24. $62.77 + $18.19 = $80.96

25. $41.95 + $27.42 = $69.37
Mental Math: Patterns in Multiplication

Complete. Use patterns and mental math to help.

1. $9 \times 1 = \underline{_______}$
   $9 \times 10 = \underline{_______}$
   $9 \times 100 = \underline{_______}$
   $9 \times 1,000 = \underline{_______}$

2. $6 \times 3 = \underline{_______}$
   $6 \times 30 = \underline{_______}$
   $6 \times 300 = \underline{_______}$
   $6 \times 3,000 = \underline{_______}$

3. $7 \times 4 = \underline{_______}$
   $\underline{_______} \times 40 = 280$
   $7 \times \underline{_______} = 2,800$
   $7 \times 4,000 = \underline{_______}$

4. $6 \times 5 = \underline{_______}$
   $\underline{_______} \times 50 = 300$
   $6 \times \underline{_______} = 3,000$
   $6 \times 5,000 = \underline{_______}$

Use mental math and basic facts to complete.

5. $7 \times 80 = \underline{_______}$
6. $9 \times \underline{_______} = 45,000$
7. $\underline{_______} \times 60 = 240$

8. $2 \times \underline{_______} = 1,400$
9. $7 \times \underline{_______} = 42,000$
10. $\underline{_______} \times 800 = 2,400$

11. $\underline{_______} \times 20 = 180$
12. $5 \times 500 = \underline{_______}$
13. $5 \times 4,000 = \underline{_______}$

14. $3 \times \underline{_______} = 210$
15. $1 \times \underline{_______} = 1,000$
16. $5 \times 200 = \underline{_______}$

Mixed Review

Find the product or quotient.

17. $35 \times 7$
18. $62 \times 7$
19. $58 \times 3$
20. $47 \times 5$
21. $24 \times 6$

22. $36 \div 6 = \underline{_______}$
23. $18 \div 6 = \underline{_______}$
24. $10 \times 6 = \underline{_______}$

25. $81 \div 9 = \underline{_______}$
26. $7 \times 6 = \underline{_______}$
27. $56 \div 8 = \underline{_______}$
Problem Solving Strategy

Find a Pattern

Find a pattern to solve.

1. A dictionary contains the definitions of 3,000 words. How many words do 5 dictionaries contain?

2. One box can hold 400 file folders. How many file folders can 9 boxes hold?

3. One sheet of grid paper has 900 squares on it. How many squares do 8 sheets of grid paper have altogether?

4. A tourist bus travels 400 miles each day. How many miles will the bus travel in 4 days?

5. For fun, Betty jumps rope 200 times each day. How many jumps will she do in 5 days?

6. Kevin rides his bike 60 miles each month. How many miles does he ride his bike in 6 months?

7. Colleen bought a purse decorated with 800 shiny beads. How many beads would 3 purses have altogether?


Mixed Review

Divide and check.

9. 3\( \overline{27} \)
10. 5\( \overline{45} \)
11. 6\( \overline{48} \)
12. 4\( \overline{32} \)
13. 8\( \overline{16} \)

Multiply.

14. \( \frac{67}{6} \)
15. \( \frac{83}{9} \)
16. \( \frac{52}{7} \)
17. \( \frac{29}{5} \)
18. \( \frac{46}{3} \)
Estimate Products

Estimate the product.

1. 52 \times 7
2. 47 \times 6
3. 26 \times 4
4. 92 \times 8
5. 98 \times 3

6. 75 \times 2
7. 316 \times 3
8. 451 \times 7
9. 845 \times 5
10. 942 \times 3

11. 651 \times 8
12. 327 \times 4
13. 29 \times 8
14. 32 \times 6
15. 759 \times 9

16. 452 \times 6
17. 649 \times 3
18. 82 \times 2
19. 256 \times 4
20. 719 \times 5

Mixed Review

Add or subtract.

21. 834 - 509
22. 951 - 843
23. 917 - 603
24. 508 + 293
25. 672 + 109

26. $5.68 - $2.19
27. $7.34 - $0.88
28. $4.00 - $0.09
29. $2.98 + $6.09
30. $9.05 + $3.94

Multiply.

31. 33 \times 7
32. 49 \times 3
33. 61 \times 8
34. 82 \times 5
35. 17 \times 9
Multiply 3-Digit Numbers

Multiply. Tell each place you need to regroup.

1. \(354 \times 5\)  
2. \(726 \times 3\)  
3. \(119 \times 7\)  
4. \(329 \times 2\)  
5. \(153 \times 4\)

Find the product. Estimate to check.

6. \(576 \times 9\)  
7. \(925 \times 7\)  
8. \(163 \times 2\)  
9. \(238 \times 3\)  
10. \(412 \times 5\)

Find the product.

11. \(248 \times 6\)  
12. \(713 \times 7\)  
13. \(637 \times 9\)  
14. \(362 \times 8\)  
15. \(425 \times 7\)

16. \(462 \times 5\)  
17. \(183 \times 8\)  
18. \(279 \times 6\)  
19. \(493 \times 5\)  
20. \(356 \times 7\)

21. \(358 \times 4\)  
22. \(920 \times 6\)  
23. \(872 \times 3\)  
24. \(516 \times 4\)  
25. \(432 \times 5\)

Mixed Review

Write the time.

26.  
27.  
28.  

---

PW92  Practice
Find Products Using Money

Find the product in dollars and cents. Estimate to check.

1. $7.54 \times 4$
2. $6.26 \times 7$
3. $8.19 \times 6$
4. $5.24 \times 5$
5. $3.61 \times 3$

6. $3.76 \times 8$
7. $4.25 \times 9$
8. $2.63 \times 3$
9. $5.90 \times 4$
10. $3.24 \times 7$

Find the product in dollars and cents.

11. $9.48 \times 2$
12. $7.13 \times 5$
13. $8.37 \times 9$
14. $2.36 \times 6$
15. $1.25 \times 9$

16. $2.62 \times 4$
17. $7.83 \times 6$
18. $9.79 \times 2$
19. $4.91 \times 3$
20. $6.82 \times 4$

21. $8.58 \times 3$
22. $6.20 \times 7$
23. $5.72 \times 8$
24. $5.45 \times 2$
25. $2.15 \times 5$

Mixed Review

Write vertically. Add or subtract.

26. $14.52 - 2.13 = ______$
27. $14.52 + 2.13 = ______$

28. $17.28 + 12.99 = ______$
29. $17.28 - 12.99 = ______$
Practice Multiplication

Find the product. Estimate to check.

1. \(6,754 \times 3\)  
2. \(\$36.56 \times 5\)  
3. \(3,919 \times 7\)  
4. \(4,214 \times 3\)  
5. \(6,521 \times 5\)

6. \(\$53.76 \times 4\)  
7. \(6,425 \times 8\)  
8. \(3,863 \times 2\)  
9. \(7,338 \times 2\)  
10. \(2,462 \times 4\)

Find the product.

11. \(\$59.48 \times 3\)  
12. \(5,413 \times 6\)  
13. \(7,237 \times 5\)  
14. \(2,134 \times 8\)  
15. \(\$7.68 \times 2\)

16. \(9,262 \times 7\)  
17. \(\$70.83 \times 4\)  
18. \(179 \times 9\)  
19. \(564 \times 6\)  
20. \(4,312 \times 5\)

21. \(1,958 \times 2\)  
22. \(6,020 \times 8\)  
23. \(978 \times 8\)  
24. \(1,236 \times 7\)  
25. \(512 \times 9\)

26. \(5 \times 2,317 = \_)\)  
27. \(\_) = 6 \times 5,912\)

Mixed Review

Complete.

28. \(4 \times 7 = \_)\)  
29. \(6 \times 9 = \)_

\(4 \times 70 = \)_  
\(6 \times 90 = \)_

\(4 \times 700 = \)_  
\(6 \times 900 = \)_

\(4 \times 7,000 = \)_  
\(6 \times 9,000 = \)_
Divide with Remainders

Vocabulary

Fill in the blank.

1. In division, the _______________ is the amount left over when a number cannot be divided evenly.

Use counters to find the quotient and remainder.

2. $13 \div 3 = \underline{\hspace{2cm}}$
3. $15 \div 2 = \underline{\hspace{2cm}}$
4. $11 \div 4 = \underline{\hspace{2cm}}$
5. $12 \div 5 = \underline{\hspace{2cm}}$
6. $10 \div 4 = \underline{\hspace{2cm}}$
7. $9 \div 5 = \underline{\hspace{2cm}}$

Find the quotient and remainder. You may use counters or draw a picture to help.

8. $17 \div 3 = \underline{\hspace{2cm}}$
9. $13 \div 4 = \underline{\hspace{2cm}}$
10. $23 \div 4 = \underline{\hspace{2cm}}$
11. $30 \div 4 = \underline{\hspace{2cm}}$
12. $25 \div 3 = \underline{\hspace{2cm}}$
13. $17 \div 4 = \underline{\hspace{2cm}}$

Mixed Review

Find the difference. Estimate to check.

14. $432 - 251 = \underline{\hspace{2cm}}$
15. $847 - 563 = \underline{\hspace{2cm}}$
16. $712 - 386 = \underline{\hspace{2cm}}$
17. $598 - 202 = \underline{\hspace{2cm}}$
18. $\$6.29 - \$3.84 = \underline{\hspace{2cm}}$
19. $515 - 409 = \underline{\hspace{2cm}}$
20. $\$7.06 - \$4.37 = \underline{\hspace{2cm}}$
21. $824 - 399 = \underline{\hspace{2cm}}$
22. $918 - 264 = \underline{\hspace{2cm}}$
Model Division of 2-Digit Numbers

Use the model. Write the quotient and remainder.

1. \(51 \div 2 = \)  
   \[\begin{array}{c}
   \hline
   25 \quad 25 \\
   \hline
   \end{array}\]
   \(\)  

2. \(38 \div 3 = \)  
   \[\begin{array}{c}
   \hline
   13 \quad 15 \\
   \hline
   \end{array}\]
   \(\)

Divide. You may use base-ten blocks to help.

3. \(2)53\)  
4. \(4)61\)  
5. \(2)17\)

6. \(5)63\)  
7. \(5)48\)  
8. \(3)48\)

Mixed Review

Find the difference.

9. \(7,658 - 1,947 = \)  
10. \(8,000 - 2,503 = \)  
11. \(5,468 - 3,846 = \)  
12. \(\$39.59 - \$17.64 = \)  
13. \(9,046 - 4,108 = \)

14. \(3,417 - 1,908 = \)  
15. \(1,754 - 862 = \)  
16. \(21,086 - 17,497 = \)  
17. \(4,325 - 648 = \)  
18. \(6,023 - 5,100 = \)
Record Division of 2-Digit Numbers

Divide and check.

1. \(72 \div 7 = \) _____  
2. \(49 \div 6 = \) _____  
3. \(88 \div 8 = \) _____  

4. \(6 \div 34\)  
5. \(7 \div 19\)
6. \(5 \div 59\)

Write the check step for each division problem.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Check:</th>
<th>Problem</th>
<th>Check:</th>
<th>Problem</th>
<th>Check:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. (5 \div 27)</td>
<td>(5 \times 5 = 25)</td>
<td>8. (3 \div 48)</td>
<td>(3 \times 4 = 12)</td>
<td>9. (4 \div 65)</td>
<td>(4 \times 1 = 4)</td>
</tr>
</tbody>
</table>

Mixed Review

Find the product.

<table>
<thead>
<tr>
<th>Product</th>
<th>10. (13 \times 6)</th>
<th>11. (21 \times 3)</th>
<th>12. (53 \times 5)</th>
<th>13. (36 \times 4)</th>
<th>14. (19 \times 1)</th>
<th>15. (48 \times 7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>16. (16 \times 5)</td>
<td>17. (43 \times 7)</td>
<td>18. (38 \times 3)</td>
<td>19. (29 \times 6)</td>
<td>20. (50 \times 4)</td>
<td>21. (17 \times 8)</td>
</tr>
</tbody>
</table>
Practice Division

Divide and check.

1. $29 \div 4 = \_\_\_\_\_\_\_\_\_\_
2. $67 \div 5 = \_\_\_\_\_\_\_\_\_
3. $63 \div 4 = \_\_\_\_\_\_\_\_\_

Check:  

4. $56 \div 3 = \_\_\_\_\_\_\_\_\_
5. $39 \div 2 = \_\_\_\_\_\_\_\_\_
6. $51 \div 3 = \_\_\_\_\_\_\_\_\_

Check:  

Mixed Review

Write the missing factor.

7. $24 = 8 \times \_\_\_\_\_\_\_\_
8. $45 = \_\_\_\_\_\_\_\_\_\_ \times 5$
9. $9 \times \_\_\_\_\_\_\_\_\_\_ = 81$
10. $100 = 10 \times \_\_\_\_\_\_\_\_\_\_\_

11. $12 = 4 \times \_\_\_\_\_\_\_\_
12. $18 = 2 \times \_\_\_\_\_\_\_\_\_\_\_
13. $7 \times \_\_\_\_\_\_\_\_\_\_\_\_\_ = 63$
14. $64 = 8 \times \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PW98 Practice
Problem Solving Skill

Interpret the Remainder

1. Alexandra has 74 baseball cards in a collection. She can fit 9 cards on a page. How many pages does she need?

2. Roger is making kites. It takes 6 feet of string to make a kite. He has 80 feet of string. How many kites can he make?

3. Clem has 63 books. He wants to put an equal number of books on each of 5 shelves. The rest of the books he will donate to a library. How many books will Clem donate to a library?

4. George is making toast. His toaster toasts 2 slices of bread at one time. He cannot toast one slice at a time in his toaster. He has 19 pieces of bread. How many times will he use his toaster?

5. Rob has 32 snacks that he needs to pack equally into 5 boxes. How many snacks will be in each box?

6. Mary and 12 of her friends are going on a bus trip. Each seat on the bus holds three. How many seats will they need?

Mixed Review

Divide and check.

7. \(9\overline{)37}\)  
8. \(8\overline{)46}\)  
9. \(4\overline{)58}\)

Subtract.

10. \(4,236 - 3,572\)  
11. \(3,502 - 2,508\)  
12. \(4,003 - 3,927\)  
13. \(8,611 - 7,844\)
Mental Math: Patterns in Division

Complete. Use patterns and mental math.

1. \(36 \div 4 = \) __
2. \(54 \div 6 = \) __
3. \(25 \div 5 = \) __

\(360 \div 4 = \) __
\(540 \div 6 = \) __
\(2,500 \div 5 = \) __

4. \(27 \div 9 = \) __
5. \(18 \div 2 = \) __
6. \(49 \div 7 = \) __

\(270 \div 9 = 30\)
\(180 \div 2 = 90\)
\(490 \div 7 = 70\)

\(2,700 \div \) __ = 300
\(1,800 \div \) __ = 900
\(\) __ \(\) __ = 700

Use mental math and a basic fact to find the quotient.

7. \(2,000 \div 5 = \) __
8. \(5,600 \div 7 = \) __
9. \(3,000 \div 6 = \) __

10. \(900 \div 3 = \) __
11. \(1,500 \div 5 = \) __
12. \(2,800 \div 4 = \) __

13. \(450 \div 9 = \) __
14. \(6,300 \div 7 = \) __
15. \(640 \div 8 = \) __

16. \(400 \div 5 = \) __
17. \(3,500 \div 7 = \) __
18. \(200 \div 2 = \) __

19. \(1,600 \div 4 = \) __
20. \(6,000 \div 2 = \) __
21. \(250 \div 5 = \) __

Mixed Review

Find the quotient.

22. \(8 \div 36\)
23. \(9 \div 46\)
24. \(8 \div 76\)
25. \(7 \div 43\)

Find the product.

26. \(8 \times 6 = \) __
27. \(7 \times 9 = \) __
28. \(4 \times 7 = \) __

29. \(6 \times 6 = \) __
30. \(10 \times 5 = \) __
31. \(8 \times 3 = \) __

32. \(5 \times 7 = \) __
33. \(9 \times 8 = \) __
34. \(7 \times 8 = \) __
Estimate Quotients

Estimate each quotient. Write the basic fact you used to find the estimate.

1. \[179 \div 3\]  
2. \[484 \div 7\]  
3. \[199 \div 4\]  
4. \[416 \div 6\]  
5. \[648 \div 9\]  
6. \[137 \div 2\]  

Estimate the quotient.

7. \[148 \div 5 = \_\_\_\_\_\_\_\_\_\_\_\_]  
8. \[134 \div 7 = \_\_\_\_\_\_\_\_\_\_\_\_]  
9. \[268 \div 3 = \_\_\_\_\_\_\_\_\_\_\_\_\_]  
10. \[555 \div 7 = \_\_\_\_\_\_\_\_\_\_\_\_\_]  
11. \[538 \div 9 = \_\_\_\_\_\_\_\_\_\_\_\_\_]  
12. \[334 \div 8 = \_\_\_\_\_\_\_\_\_\_\_\_\_]  
13. \[3\)142\]  
14. \[7\)500\]  
15. \[3\)299\]  
16. \[5\)444\]  
17. \[8\)317\]  
18. \[8\)635\]  

Mixed Review

Divide and check.

19. \[9\)36\]  
20. \[7\)49\]  
21. \[3\)15\]  
22. \[5\)45\]  
23. \[9\)81\]  
24. \[6\)54\]  
25. \[9\)54\]  
26. \[4\)32\]  

Multiply.

17. \[438 \times 6\]  
18. \[517 \times 4\]  
19. \[629 \times 3\]  
20. \[804 \times 7\]  

Practice PW101
Place the First Digit in the Quotient

Place an X where the first digit in the quotient should be.

1. \(5)\overline{252}\)  
2. \(3)\overline{156}\)  
3. \(6)\overline{96}\)  
4. \(7)\overline{497}\)

Find the quotient.

5. \(3)\overline{123}\)  
6. \(6)\overline{204}\)  
7. \(9)\overline{324}\)  
8. \(3)\overline{279}\)

9. \(4)\overline{88}\)  
10. \(7)\overline{329}\)  
11. \(4)\overline{352}\)  
12. \(6)\overline{384}\)

13. \(5)\overline{310}\)  
14. \(8)\overline{408}\)  
15. \(2)\overline{112}\)  
16. \(4)\overline{180}\)

Mixed Review

Multiply.

17. \(435 \times 6\)  
18. \(176 \times 6\)  
19. \(826 \times 6\)  
20. \(532 \times 6\)

21. \(154 \times 5\)  
22. \(278 \times 7\)  
23. \(814 \times 2\)  
24. \(302 \times 8\)

What time does each clock show?

25. [Image of a clock showing 10:05]
26. [Image of a clock showing 9:10]
27. [Image of a clock showing 12:01]
Practice Division of 3-Digit Numbers

Find the quotient.

1. $5\overline{)810}$
2. $3\overline{)963}$
3. $6\overline{)948}$
4. $7\overline{)952}$

5. $4\overline{)392}$
6. $2\overline{)830}$
7. $7\overline{)924}$
8. $5\overline{)255}$

9. $2\overline{)174}$
10. $9\overline{)675}$
11. $8\overline{)744}$
12. $3\overline{)762}$

Mixed Review

Multiply.

13. $2,421 \times 3$
14. $3,176 \times 8$
15. $1,826 \times 7$
16. $3,521 \times 4$

17. $9,438 \times 5$
18. $2,425 \times 2$
19. $4,434 \times 6$
20. $1,052 \times 9$
Divide Amounts of Money

Find the quotient.

1. 4)$9.08  
2. 3)$8.19  
3. 4)$6.12  
4. 5)$6.50  
5. 2)$7.12  
6. 6)$9.54  
7. 7)$7.98  
8. 6)$6.78  
9. 5)$9.80  
10. 9)$6.57  
11. 8)$9.28  
12. 4)$8.68

Mixed Review

Find the sum or difference.

13. 381  
   + 746  
14. 892  
   − 467  
15. 520  
   − 363  
16. 176  
   + 859  
17. $2.04  
   + $8.78  
18. $9.00  
   − $6.35  
19. $3.16  
   + $4.87  
20. $7.59  
   − $1.96

Add.

21. 82 + 147 + 63 + 298 =  
22. 119 + 43 + 158 + 76 = ___
Problem Solving Strategy

Solve a Simpler Problem

For 1–4, solve a simpler problem.

1. There are 800 children that need to be put into 5 groups. How many students should be in each group?

2. There are 325 children that need to be put into 5 groups. How many students should be in each group?

3. Larry has $7.00 in nickels. How many nickels does he have?

4. Terry has $80.00 in dimes. How many dimes does she have?

Mixed Review

Divide.

5. \(2 \div 3.50\)

6. \(5 \div 5.75\)

7. \(4 \div 7.64\)

8. \(6 \div 8.70\)

Multiply.

9. \(82 \times 7\)

10. \(192 \times 5\)

11. \(2,683 \times 4\)

12. \(1,365 \times 8\)
Solid Figures

Name the solid figure that each object looks like.

1.  
2.  
3.  
4.  
5.  
6.  

Complete the table.

<table>
<thead>
<tr>
<th>Figure</th>
<th>Faces</th>
<th>Edges</th>
<th>Vertices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cube</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rectangular Prism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Square Pyramid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sphere</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mixed Review

Circle the number that is greater.

11. 3,535       12. 67,100       13. 53,606       14. 9,999
   3,355       67,099       53,701       10,000

Find the quotient.

15. 25 ÷ 5 = ___    16. 45 ÷ 9 = ___    17. 35 ÷ 7 = ___    18. 50 ÷ 10 = ___

19. 49 ÷ 7 = ___    20. 15 ÷ 5 = ___    21. 81 ÷ 9 = ___    22. 54 ÷ 6 = ___

Find the difference.

23. 25 − 5 = ___    24. 45 − 9 = ___    25. 35 − 7 = ___    26. 50 − 10 = ___

27. 49 − 7 = ___    28. 15 − 5 = ___    29. 81 − 9 = ___    30. 54 − 6 = ___
Combine Solid Figures

Name the solid figures used to make each object.

1.  
2.  
3.  

4.  
5.  
6.  

Each pair of objects should be the same. Name the solid figure that is missing.

7.  
8.  
9.  

10.  
11.  
12.  

Mixed Review

Round to the nearest ten.

13. 431  
14. 7,897  
15. 25,005  
16. 19,999  

Name the place-value position of the underlined digit.

17. 1,298  
18. 10,118  
19. 900,255  
20. 243,611
Line Segments and Angles

Name each figure.

1.  
2.  
3.  
4.  
5.  
6.  

Write whether each angle is a right angle, greater than a right angle, or less than a right angle.

7.  
8.  
9.  
10.  
11.  
12.  

13. Name the number of line segments, number of angles, and then number of right angles in the figure at the right.

Mixed Review

Find each product.

14. $\frac{7 \times 6}{5 \times 9}$
15. $\frac{8 \times 8}{4 \times 7}$
16. $\frac{8}{8}$
17. $\frac{4}{9}$

Write $<$, $>$, or $=$ in each circle.

18. $8 + 9 \bigcirc 8 \times 9$
19. $24 + 16 + 52 \bigcirc 10 \times 9$
LESSON 21.4

Types of Lines

Describe the lines. Write parallel or intersecting.

1.  
2.  
3.  
4.  
5.  
6.  

For Problems 7–9, use the map at the right.

7. Name the streets that intersect Winter Street.

8. Name the streets that are parallel.

9. Name the type of angle created by the intersection of Winter Street and Fall Street.

Mixed Review

Solve.

10. $5 \times 9 = \underline{\hspace{2cm}}$
11. $7 \times 0 = \underline{\hspace{2cm}}$
12. $4 \times 7 = \underline{\hspace{2cm}}$
13. $6 \times 6 = \underline{\hspace{2cm}}$
14. $27 \div 3 = \underline{\hspace{2cm}}$
15. $32 \div 8 = \underline{\hspace{2cm}}$
Circles

Name the part of the circle that is shown.

1. 2. 3. 4. 5. 6.

On each circle, draw the part of the circle named.

7. 8. 9. 10. 11. 12.

Mixed Review

For 13–15, use the information in the tally table.

<table>
<thead>
<tr>
<th>Season</th>
<th>Tally</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>🍅 🍅 🍅 🍅 🍅 🍅</td>
</tr>
<tr>
<td>Winter</td>
<td>🍊 🍊 🍊</td>
</tr>
<tr>
<td>Fall</td>
<td>🍓 🍓 🍓 🍓</td>
</tr>
</tbody>
</table>

13. What is the title of the table?

14. How many students like Summer best?

15. How many students were asked?
Problem Solving Strategy

Break Problems into Simpler Parts

Break problems into simpler parts to solve.

1. Paul has a wooden cube that has the design shown below carved on each of its faces. How many rays are on all the faces of the cube?

2. The shoe box below has the company logo on each side. How many circles are on the box?

3. Miranda has a toy that is the shape of a cube. The toy has the design shown below painted on the faces of the cube. How many squares are on the toy?

4. The paper weight shown below has the same design on 4 sides. How many triangles are drawn on the paper weight?

Mixed Review

Use the grid at the right. Write the letter of the point named by the ordered pair.

5. (7,1)  
6. (5,5)  
7. (1,7)  
8. (2,5)  
9. (3,6)  
10. (6,3) 

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Polygons
Tell if each figure is a polygon. Write yes or no.

1. 2. 3. 4. 5.

Write the number of sides and angles each polygon has. Then name the polygon.

6. 7. 8. 9.

Mixed Review
Decide if the number sentence is true or false. Write true or false.

14. 18 − 6 = 12  15. 14 + 3 = 27  16. 7 × 6 = 42

17. 18 ÷ 6 = 2  18. 5 × 7 = 12  19. 36 ÷ 6 = 6

Write +, −, ÷, or × in the circle to make the number sentence true.

20. 11  21. 24  22. 9

23. 35  24. 11  25. 42
Congruence and Symmetry

Tell whether the two figures are congruent. Write yes or no.

1. □  ○
2. △  △
3. □  □
4. □  □
5. △  △
6. ☐  ☐

How many lines of symmetry does each figure have?

7. ☐
8. ☐
9. ☐
10. ☐
11. ☐

Mixed Review

Solve.

12. \[500 - 47 = 453\]
13. \[300 - 82 = 218\]
14. \[200 - 153 = 47\]
15. \[800 - 237 = 563\]
16. \[800 - 538 = 262\]
17. \[100 - 36 = 64\]
18. \[300 - 42 = 258\]
19. \[700 - 515 = 185\]
20. \[122 + 106 = 228\]
21. \[682 + 589 = 1271\]
22. \[375 + 86 = 461\]
23. \[514 + 300 = 814\]
24. \[24 + 7 = 31\]
25. \[8 \times 3 = 24\]
26. \[7 \times 5 = 35\]
27. \[9 \times 7 = 63\]
28. \[11 \times 6 = 66\]
29. \[10 \times 8 = 80\]
Combine Plane Figures
Tell if each figure will tessellate. Write yes or no.

1. 2. 3. 4.

Trace and cut out each figure. Use each figure to make a tessellation. You may color your design.

5. 6.

Mixed Review
Write each number in standard form.

7. 20,000 + 800 + 5  8. 30,000 + 6,000 + 10  9. 50,000 + 7,000 + 3

Estimate each sum.


Write the number of sides and angles each plane figure has.

15. hexagon  16. octagon  17. pentagon
Problem Solving Strategy

Find a Pattern

Find a pattern to solve.

1. Sarah is gluing shapes around a frame. Draw the next three shapes in her pattern.

   O ♦ O △ O ♦ O △ ___ ___ ___

2. Jeff is decorating the border of a crown. Draw the next three shapes in his pattern.

   O ⬤ O ⬤ O O ⬤ O ⬤ O O ___ ___

3. There is a pattern in the numbers below. What will the next two numbers be?

   3, 14, 25, 36, ___, ___

4. Sketch the next two dot triangles to continue the pattern below.

   1 3 6 ______ ______

5. Julio drew this pattern on his paper. What is the next figure in the pattern?

   △ □ □ △ □ ?

   ________

6. Maria writes this number pattern:

   5, 14, 23, 32, 41

   Describe Maria’s number pattern.

   ________

Mixed Review

Write the rule and the next number in each pattern.

7. 10, 15, 20, 25, ___  8. 3, 6, 9, 12, 15, ___  9. 56, 50, 44, 38, ___

   ______________   ______________   ______________

Find the product.

10. 6 × 6 = ___  11. 4 × 6 = ___  12. 8 × 6 = ___

13. 5 × 5 = ___  14. 5 × 8 = ___  15. 5 × 7 = ___
Triangles

Write if each angle is a right angle, greater than a right angle, or less than a right angle.

1. ____________ 2. ____________ 3. ____________

4. ____________ 5. ____________ 6. ____________

7. ____________ 8. ____________ 9. ____________

Mixed Review

Tell whether the two figures are congruent. Write yes or no.

10. ____________ 11. ____________ 12. ____________

13. ____________ 14. ____________ 15. ____________

Add.

16. \[ \begin{array}{c} 23 \\ +37 \end{array} \]

17. \[ \begin{array}{c} 145 \\ +135 \end{array} \]

18. \[ \begin{array}{c} 94 \\ +136 \end{array} \]
Sort Triangles
For 1–3, use the triangles at the right. Write A, B, or C.

1. Which triangle is scalene? _____

2. Which triangles have at least 2 equal sides? _________

3. Which triangle has 1 angle that is greater than a right angle? _____

For 4–7, write one letter from each box to describe each triangle.

| a. Equilateral | d. It has 1 right angle. |
| b. Isosceles   | e. It has 1 angle greater than a right angle. |
| c. Scalene     | f. All angles are less than a right angle. |

4. ________ 5. ________ 6. ________

Name each triangle. Write equilateral, isosceles, or scalene.

8. ________ 9. ________ 10. ________ 11. ________

Mixed Review
12. \[4,692 + 8,403\]  13. \[9,721 + 3,688\]  14. \[6,400 + 7,211\]  15. \[4,209 + 362\]
Quadrilaterals
Describe the angles and sides of each quadrilateral.

1. 
   
2. 
   
3. 
   
For 4–5, use the quadrilaterals above. Write true or false for each statement.

4. All of the quadrilaterals have parallel sides. _________
5. Some of the quadrilaterals have right angles. _________

Mixed Review
Tell if each figure is a polygon. Write yes or no.

6. 
   7. 
   8. 

Tell if the intersecting lines form right angles. Write yes or no.

9. 
   10. 
   11. 

Divide.

12. $9 \div 3 = _____$
13. $72 \div 9 = _____$
14. $48 \div 6 = _____$
15. $54 \div 6 = _____$
16. $49 \div 7 = _____$
17. $32 \div 8 = _____$
Sort Quadrilaterals

For 1–3, use the quadrilaterals below. Write A, B, C, D, or E.

1. Which quadrilaterals have 2 pairs of equal sides? ________

2. Which quadrilaterals have no right angles? ________

3. How are quadrilaterals A and B alike? How are they different?

For 4–7, write all the letters that describe each quadrilateral. Then write a name for each quadrilateral.

a. It has 4 equal sides.

b. It has 2 pairs of parallel sides.

c. It has 4 right angles.

d. It has 2 pairs of equal sides.

4. 5. 6. 7.

Mixed Review

8. \(3 + 3 + 3 + 3 + 3 + 3 = \) ______ 
9. \(7 + 7 + 7 + 7 + 7 + 7 = \) ______

Describe the lines. Write intersecting or parallel.

10. 11. 12.

Name the part of each circle.

Problem Solving Skill

Identify Relationships

1. What are all the ways to name the polygon below? What is the best name for the polygon?

2. What are all the ways to name the polygon below? What is the best name for the polygon?

Write the best name for each quadrilateral.

3. 4. 5. 6. 7. 8.

Mixed Review

Solve.

9. \((8 \times 2) \times 0 = \) \[
10. 3 \times (4 \times 2) = \)

11. \(6 \times (3 \times 3) = \)

Write \(\) or \(\) to make the number sentence true.

12. \(44 \quad 25 = 69\)

13. \(86 \quad 12 = 74\)

14. \(63 \quad 7 = 56\)

Find the mode of each set of data.

15. 2, 3, 5, 5, 6, 8, 10, 5

16. 25, 29, 23, 15, 13, 26, 30, 15, 19

17. 3, 4, 2, 6, 3, 7, 4, 2, 6, 2, 4, 6, 3, 7, 3, 8, 1
Length

Estimate the length in inches. Then use a ruler to measure to the nearest inch.

1. Estimate | Measure
   ___       ___

2. Estimate | Measure
   ___       ___

3. Estimate | Measure
   ___       ___

Measure the length to the nearest half inch.

4. Estimate | Measure
   ___       ___

5. Estimate | Measure
   ___       ___

6. Estimate | Measure
   ___       ___

Mixed Review

For 7–11, use the solid figure at the right.

7. How many faces does the solid figure have? ___

8. How many edges does the solid figure have? ___

9. How many faces of the solid figure are not squares? ___

10. How many faces of the solid figure are squares? ___

11. What is the name of the solid figure above? ________________
Inch, Foot, Yard, and Mile

Choose the unit you would use to measure each. Write inch, foot, yard, or mile.

1. the length of a table
   __________________________

2. the length of a pine cone
   __________________________

3. the length of a driveway
   __________________________

4. the distance to a neighboring town
   __________________________

Choose the best unit of measure. Write inches, feet, yards, or miles.

5. A pencil is about
   5 ______ long.

6. The distance from your home to the library is about 2 ______.

7. A bike is about
   4 ______ long.

8. The football player kicked the ball 45 ______.

9. Peter grew almost
   2 ______ in one year.

10. A man is about
    6 ______ tall.

Mixed Review

Find each product.

11. $7 \times 2 = \underline{\hspace{2cm}}$  
12. $\underline{\hspace{2cm}} = 9 \times 5$  
13. $6 \times 6 = \underline{\hspace{2cm}}$

Find each quotient.

14. $14 \div 2 = \underline{\hspace{2cm}}$  
15. $27 \div 3 = \underline{\hspace{2cm}}$  
16. $\underline{\hspace{2cm}} = 18 \div 6$

17. $24 \div 6 = \underline{\hspace{2cm}}$  
18. $\underline{\hspace{2cm}} = 20 \div 4$  
19. $8 \div 4 = \underline{\hspace{2cm}}$
Capacity

Circle the better estimate.

1. 10 quarts or 10 gallons

2. 2 cups or 2 quarts

Compare. Write <, >, or = in each circle.

3. 3 cups 1 pint

4. 1 gallon 4 quarts

5. 3 pints 2 quarts

6. 1 gallon 10 cups

7. 7 pints 1 gallon

8. 2 gallons 16 pints

Mixed Review

9. \( \frac{6}{8} \times 9 \)

10. \( \frac{9}{9} \times 9 \)

11. \( 86 - 51 \)

12. \( 99 - 83 \)

13. \( 7 \overline{)63} \)

14. \( 5 \overline{)40} \)

15. \( 6 \overline{)24} \)

16. \( 1 \overline{)12} \)

17. Find the sum of 862 and 137.

18. Find the product of 6 and 9.

19. Which number is greater: 736 or 763?

20. What is 56 ÷ 8?

21. Find the difference of 789 and 326.

22. What is 16 ÷ 8?
Weight

Choose the unit you would use to weigh each. Write ounce or pound.

1. 2. 3.

Circle the better estimate.

7. 8. 9.

Mixed Review

Order each group of numbers from least to greatest.

10. 234, 561, 144

11. 899, 998, 989

12. 1,482; 1,248; 1,842

13. 6,479; 8,372; 8,362

Write the missing factor.

14. 4 × ____ = 16

15. 12 = 6 × ____

16. 3 × ____ = 27

17. 80 = ____ × 8

18. ____ × 3 = 33

19. 487 = ____ × 487
Ways to Change Units
Complete. Use the Table of Measures to help.

1. Change yards to feet.
   larger unit ________
   1 yard = ________

2. Change quarts to gallons.
   larger unit ________
   1 gallon = ________

Change the units. Use the Table of Measures to help.

3. _____ pints = 1 quart

4. _____ inches = 1 foot

5. _____ cups = 1 quart

6. _____ feet = 1 yard

Mixed Review

Multiply.
7. 8 × 9 = _____
8. 10 × 4 = _____
9. 6 × 7 = _____

Divide.
10. 18 ÷ 9 = _____
11. 36 ÷ 4 = _____
12. 40 ÷ 8 = _____

Add.
13. 15 + 13 + 11 = _____
14. 35 + 9 + 15 = _____
15. 27 + 13 + 48 = _____

Subtract.
16. 15 − 13 = _____
17. 83 − 17 = _____
18. 57 − 48 = _____
Algebra: Rules for Changing Units

Use the rules to change the units. (8 pints = 1 gallon)

1. How many pints are in 3 gallons?
   Rule: Multiply the number of gallons by 8.
   \[3 \times 8 = \ ?\]
   \[
   \ ? \text{ pints} = 3 \text{ gallons}
   \]

2. How many gallons are in 16 pints?
   Rule: Divide the number of pints by 8.
   \[16 \div 8 = \ ?\]
   \[
   \ ? \text{ gallons} = 16 \text{ pints}
   \]

Write the rule and change the units. You may make a table to help. (3 feet = 1 yard)

3. How many feet are in 8 yards?
   Rule: ______________________ the number of yards by 3.
   \[8 \times 3 = \ ?\]
   \[
   \ ? \text{ feet} = 8 \text{ yards}
   \]

4. How many yards are in 15 feet?
   Rule: ______________________ the number of feet by 3.
   \[15 \div 3 = \ ?\]
   \[
   \ ? \text{ yards} = 15 \text{ feet}
   \]

5. How many yards are in 21 feet?
   Rule: ______________________
   \[
   \ ? \text{ yards} = 21 \text{ feet}
   \]

6. How many feet are in 10 yards?
   Rule: ______________________
   \[
   \ ? \text{ feet} = 10 \text{ yards}
   \]

Mixed Review

Use a ruler to measure to the nearest inch.

7. ______________________

8. ______________________

Choose the unit you would use to measure each. Write inch, foot, yard, or mile.

9. length of a school bus
   ______________________

10. length of a scissors
    ______________________
Problem Solving Skill
Use a Graph

For 1–4, use the graphs.

1. Which ride lasts the longest? the shortest?
2. How long would you ride if you went on Swing, and twice on Triple?
3. How many magazines did Fred sell?
4. How many more magazines did Amber sell than Morton?

Mixed Review
5. \((1 \times 6) \times 8 = \) _____
6. \((3 \times 2) \times 4 = \) _____
7. \(9 \times (3 \times 3) = \) _____
8. \(5 \times (2 \times 5) = \) _____
9. \(2 + 4 + 9 = \) _____
10. \(8 + 7 + 2 = \) _____
11. \(6 + 3 + 8 = \) _____
12. \(5 + 1 + 4 = \) _____
13. \((8 \times 8) \times 2 = \) _____
14. \((4 \times 6) \times 2 = \) _____
15. \(5 + 10 + 16 = \) _____
16. \(8 + 4 + 5 = \) _____
Length

Estimate the length in centimeters. Then use a ruler to measure to the nearest centimeter.

1. [Image of a pencil]

Choose the unit you would use to measure each. Write cm, m, or km.

4. the length of your little finger

6. the width of a chalkboard

8. the length of the Mississippi River

5. the distance between 2 towns

7. the length of your math book

9. the distance between your house and your neighbor's house

Mixed Review

10. $3.68
    \[ - $1.79 \]
    \[ \underline{\phantom{-}} \]

11. 752
    \[ + 134 \]

12. 54 ÷ _____ = 6

13. 8 × 0 = _____

14. 5 ÷ _____ = 5

15. 7 × _____ = 56

Find the pattern and solve.

16. 64, 56, 48, _____, 32, _____

17. 1, 3, 5, 7, 9, 11, _____
Problem Solving Strategy

Make a Table

Complete this table.

1. | Meters | 1 | 2 | 3 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Centimeters</td>
<td>100</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

For 2–3, use the completed table above.

2. Gary needs 500 centimeters of space for a bookcase. How many meters of space does he need?

3. Kara needs 9 meters of string. How many centimeters of string does she need?

Jake drew a line that was 3 decimeters long. How many centimeters long was his line?

4. Which table helps solve the problem? ________

A

<table>
<thead>
<tr>
<th>Kilometers</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meters</td>
<td>1,000</td>
<td>2,000</td>
<td>3,000</td>
</tr>
</tbody>
</table>

B

<table>
<thead>
<tr>
<th>Meters</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decimeters</td>
<td>10</td>
<td>20</td>
<td>30</td>
</tr>
</tbody>
</table>

C

<table>
<thead>
<tr>
<th>Centimeters</th>
<th>100</th>
<th>200</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meters</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

D

<table>
<thead>
<tr>
<th>Decimeters</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centimeters</td>
<td>10</td>
<td>20</td>
<td>30</td>
</tr>
</tbody>
</table>

5. What is the solution to the problem? ________

Mixed Review

Draw the next 3 shapes in the pattern.

6. ▽ □ △ □ ▽ □ △ □ ▽ □ △ □ ____________

7. ○ ○ □ ○ ○ □ ○ ○ □ ________________
Capacity: Liters and Milliliters

Circle the better estimate.

1. 1 mL or 1 L
2. 4 mL or 4 L
3. 15 mL or 15 L
4. 250 mL or 250 L
5. 2 mL or 2 L
6. 3,000 mL or 3,000 L

Choose the unit you would use to measure each. Write mL or L.

7. a mug of hot chocolate
8. water in a swimming pool
9. a glass of juice
10. water for a flower garden
11. a can of soup
12. 5 pitchers of lemonade

Mixed Review

13. 59 + 64 + 93 = _______
14. 726 − 493 = _______

Write <, >, or = in each circle.

15. 7 × 8 〡 87 − 31
16. 56 ÷ 7 〡 3 × 2
17. 40 ÷ 8 〡 7
18. 9 × 4 〡 12 × 3

Continue each pattern.

19. 8, 16, 24, 32, ______
20. 4, 9, 14, 19, ______, ______
Mass: Grams and Kilograms
Circle the better estimate.

1. 2. 3.
   6 g or 6 kg  25 g or 25 kg  22 g or 22 kg

4. 5. 6.
   4 g or 4 kg  6 g or 6 kg  2 g or 2 kg

Choose the tool and unit to measure each.

7. the mass of a computer disk
8. the length of a desk

9. the capacity of a sink
10. the mass of a sack of sugar

11. the length of your hand

12. the mass of two bricks
13. the mass of a feather
14. the mass of an eraser

Mixed Review
Solve.

15. $36 \div ____ = 9$
16. ____ $\times 6 = 54$
17. $4 \times ____ = 28$
18. ____ $\div 3 = 4$
19. $428 - 375 = ____$
20. $32 + 69 + 51 = ____$
21. $8 \times 0 = ____$
22. $11 \div 1 = ____$

Name ____________________________

Practice PW131
Measure Temperature

Write each temperature in °F.

1. [Temperature Gauge]
2. [Temperature Gauge]
3. [Temperature Gauge]
4. [Temperature Gauge]

Write each temperature in °C.

5. [Temperature Gauge]
6. [Temperature Gauge]
7. [Temperature Gauge]
8. [Temperature Gauge]

Choose the better estimate.

9. 40°C or 0°C
10. 5°C or 90°C
11. 85°F or 32°F
12. 5°F or 65°F

Mixed Review

Write <, >, or = in each circle.

13. $84 \div 7 \bigcirc 15$
14. $34 + 48 \bigcirc 76$
15. $42 \bigcirc 5 \times 9$
16. $8 \times 3 \bigcirc 21$

PW132 Practice
Perimeter

Vocabulary

Fill in the blank to complete the sentence.

1. The distance around a figure is its _________.

Find the perimeter of each figure.

2. 

3. 

4. 

5. 

6. 

7. 

Mixed Review

8. \[ \frac{716}{-304} \]

9. \[ \frac{241}{+93} \]

10. \[ \frac{876}{-759} \]

11. \[ \sqrt{56} \]

12. \[ \sqrt{72} \]

13. \[ \sqrt{64} \]

14. \[ \sqrt{28} \]

15. \[ \sqrt{42} \]

16. \[ \sqrt{35} \]
Estimate and Find Perimeter

Find the perimeter.

1. 2. 3.

Use your centimeter ruler to find the perimeter.

4. 5. 6. 7.

Mixed Review

Use the graph.

8. How many students chose blue as their favorite color?

9. How many more students chose green than yellow?

10. How many students voted in all?
Area of Plane Figures

Find the area of each rectangle. Write the area in square units.

1. 
2. 
3. 

4. 
5. 
6. 

7. 
8. 
9. 

10. 
11. 
12. 

Mixed Review

Find each missing number.

13. $4 + \underline{\;\;} = 11$
14. $5 + \underline{\;\;} = 8$
15. $9 + \underline{\;\;} = 17$
16. $2 + \underline{\;\;} = 10$
17. $\underline{\;\;} \times 8 = 64$
18. $\underline{\;\;} \times 12 = 48$
Area of Solid Figures

Find the total area that covers each solid figure.

1. \[
\begin{array}{c}
\text{total area: } \underline{\phantom{0000}} \\
\end{array}
\]

2. \[
\begin{array}{c}
\text{total area: } \underline{\phantom{0000}} \\
\end{array}
\]

3. \[
\begin{array}{c}
\text{total area: } \underline{\phantom{0000}} \\
\end{array}
\]

4. \[
\begin{array}{c}
\text{total area: } \underline{\phantom{0000}} \\
\end{array}
\]

Mixed Review

Add.
5. \[
\begin{array}{c}
$3.89 \\
+ \quad $5.19 \\
\hline 
$9.08 \\
\end{array}
\]
6. \[
\begin{array}{c}
$3.90 \\
+ \quad $6.22 \\
\hline 
$10.12 \\
\end{array}
\]
7. \[
\begin{array}{c}
$6.75 \\
+ \quad $3.81 \\
\hline 
$10.56 \\
\end{array}
\]

Subtract.
8. \[
\begin{array}{c}
$7.20 \\
- \quad $4.05 \\
\hline 
$3.15 \\
\end{array}
\]
9. \[
\begin{array}{c}
$8.00 \\
- \quad $4.13 \\
\hline 
$3.87 \\
\end{array}
\]
10. \[
\begin{array}{c}
$9.91 \\
- \quad $3.21 \\
\hline 
$6.70 \\
\end{array}
\]
Problem Solving Skill

Make Generalizations

1. A laundry room is shaped like a rectangle. The area of the room is 6 square yards. The perimeter is 10 yards. The room is longer than it is wide. How wide is the room? How long is the room?

2. Mark has a piece of string that is 12 inches long. He shapes the string into a rectangle that encloses an area of 5 square inches. Can Mark enclose a greater area with the same string? If so, what is the area?

3. The perimeter of a table is 24 feet. The table is twice as long as it is wide. What is the table’s width? length? area?

4. Mrs. Brown put a wallpaper border around a room that is 10 feet long and 9 feet wide. How long is the wallpaper border? What is the area of the room?

Mixed Review

Solve.

5. The time shown on Mario’s watch is 10:45. He has just finished raking leaves for 30 minutes. Before that, he played basketball for 1 hour. At what time did he start playing basketball?

6. Carrie is swimming in the middle lane of the pool. She waves to her father, who is swimming 3 lanes away, in the end lane. How many lanes does the pool have?

7. \[11 \times 6\] 8. \[5 \times 7\] 9. \[7 \times 7\] 10. \[8 \times 3\] 11. \[12 \times 6\]
Estimate and Find Volume

Use cubes to make each solid. Then write the volume in cubic units.

1.  

volume: ________________

2.  

volume: ________________

3.  

volume: ________________

4.  

volume: ________________

Find the volume of each solid. Write the volume in cubic units.

5.  

volume: ________________

6.  

volume: ________________

7.  

volume: ________________

8.  

volume: ________________

Mixed Review

Add.

9.  532  
   + 196  
   _______  

10. 158  
    + 270  
    _______  

11. 851  
    + 653  
    _______  

PW138 Practice
Count Parts of a Whole

Write a fraction in numbers and words that names the shaded part.

1. [Shaded square diagram]
2. [Shaded square diagram]
3. [Shaded square diagram]

Write the fraction, using numbers.

4. three fifths
5. six out of eleven
6. two divided by three
7. one out of six
8. nine divided by ten
9. seven twelfths

Write a fraction to describe each shaded part.

10. [Shaded square diagram]

Mixed Review

Find each difference.

11. 85 − 29 = _____
12. 346 − 173 = _____
13. 811 − 559 = _____
14. 300 − 101 = _____
15. 924 − 474 = _____
16. 865 − 239 = _____

Find each product.

17. 0 × 1 = _____
18. 3 × 11 = _____
19. 10 × 6 = _____
20. 12 × 2 = _____
21. 7 × 8 = _____
22. 5 × 5 = _____
Count Parts of a Group

Use a pattern to complete the table.

<table>
<thead>
<tr>
<th></th>
<th>Model</th>
<th>○ ○ ○</th>
<th>● ○ ○</th>
<th>● ● ●</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Total number of parts</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>2.</td>
<td>Number of shaded parts</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3.</td>
<td>Fraction of shaded parts</td>
<td>( \frac{0}{3} )</td>
<td>( \frac{1}{3} )</td>
<td>( \frac{3}{3} )</td>
</tr>
</tbody>
</table>

Write the fraction that names the part of each group that is circled.

1. Model: ○ ○ ○
2. Model: ● ○ ○
3. Model: ● ● ●

5. [Diagram]
6. [Diagram]
7. [Diagram]

8. [Diagram]
9. [Diagram]
10. [Diagram]

Mixed Review

Find each quotient.

11. \( 6 \div 6 = \) _____
12. \( 0 \div 9 = \) _____
13. \( 5 \div 1 = \) _____
14. \( 16 \div 4 = \) _____
15. \( 20 \div 1 = \) _____
16. \( 12 \div 3 = \) _____
17. \( 28 \div 7 = \) _____
18. \( 30 \div 3 = \) _____
19. \( 16 \div 2 = \) _____
20. \( 64 \div 8 = \) _____
21. \( 42 \div 7 = \) _____
22. \( 72 \div 9 = \) _____
Equivalent Fractions

Find an equivalent fraction. Use fraction bars.

1. 2. 3.

4. 5. 6.

Find the missing numerator. Use fraction bars.

7. 
8. 
9. 
10.

11. 
12. 
13. 
14.

15. 
16. 
17. 
18.

Mixed Review

Round to the nearest thousand.

19. 554 _____ 20. 3,764 _____ 21. 7,298 _____ 22. 9,099 _____

Find the quotient.

23. 12 ÷ 3 = ____ 24. 16 ÷ 8 = ____ 25. 33 ÷ 3 = ____ 26. 64 ÷ 8 = ____
27. 63 ÷ 7 = ____ 28. 10 ÷ 1 = ____ 29. 6 ÷ 0 = ____ 30. 25 ÷ 5 = ____
31. 72 ÷ 8 = ____ 32. 32 ÷ 4 = ____ 33. 45 ÷ 5 = ____ 34. 48 ÷ 6 = ____
Compare and Order Fractions

Compare. Write <, >, or = in each □.

1. \[
\frac{1}{3} \quad \frac{1}{3}
\]
2. \[
\frac{1}{4} \quad \frac{1}{4} \quad \frac{1}{4}
\]
3. \[
\frac{1}{5} \quad \frac{1}{5} \quad \frac{1}{5}
\]
4. \[
\frac{1}{8} \quad \frac{1}{8} \quad \frac{1}{8}
\]

\[
\frac{2}{3} \quad \frac{3}{6}
\quad \frac{3}{4} \quad \frac{4}{6}
\]
\[
\frac{3}{5} \quad \frac{3}{4}
\quad \frac{4}{8} \quad \frac{1}{2}
\]

Compare the part of each group that is shaded. Write < or > in each □.

5. \[
\text{□ □ □ □}
\quad \text{□ □ □ □}
\]
6. \[
\text{△ △ △ △ △ △ △}
\quad \text{△ △ △ △ △ △ △ △}
\]

\[
\frac{3}{4} \quad \frac{1}{4}
\quad \frac{5}{8} \quad \frac{7}{8}
\]

7. Order \(\frac{1}{2}, \frac{2}{3}, \text{ and } \frac{3}{4}\) from greatest to least.

8. Order \(\frac{1}{8}, \frac{1}{3}, \text{ and } \frac{3}{6}\) from greatest to least.

Mixed Review

Compare. Write <, >, or = in each □.

9. 472 □ 619
10. 3,009 □ 2,588
11. 820 □ 820

Order each set of numbers from least to greatest.

12. 35, 63, 17
13. 200, 199, 205
14. 484, 848, 488
Problem Solving Strategy

Make A Model

Use make a model to solve.

1. Sean spent \( \frac{2}{10} \) of his allowance on a book and \( \frac{2}{5} \) on a baseball. On which item did he spend more?

2. Alex read \( \frac{3}{8} \) of a book. Joel read \( \frac{1}{2} \) of the same book. Who read more?

3. Mr. Ruiz made a divider for his patio. He used 9 stacks of bricks with 7 bricks in each stack. How many bricks did he use?

4. The border in Shea’s room repeats square, triangle, triangle, circle. If one wall has 9 repeats, how many triangles are on that wall?

Mixed Review

5. Tia, Juan, and Carla are standing in a line. Tia is behind Juan. Carla is in front of Juan. In what order are they standing?

6. There are 67 marbles in a jar. Ed takes out 22 marbles on Monday. On Tuesday, Ed puts 35 marbles into the jar. How many marbles are in the jar now?

Complete.

7. 3 feet = ? yard

8. 1 ft = ? in.

9. 1 gallon = ? quarts

10. 15, 10, 5, ___

11. 24, 26, 28, 30, ___

12. 17, 20, 23, ___
Add Fractions

Find the sum.

1. \[
\frac{1}{4} + \frac{1}{4} =
\]
2. \[
\frac{3}{6} + \frac{1}{6} =
\]
3. \[
\frac{3}{5} + \frac{1}{5} =
\]
4. \[
\frac{2}{8} + \frac{3}{8} =
\]

Use fraction bars to find the sum.

5. \[
\frac{1}{10} + \frac{2}{10} =
\]
6. \[
\frac{4}{10} + \frac{3}{10} =
\]
7. \[
\frac{3}{5} + \frac{1}{5} =
\]
8. \[
\frac{1}{4} + \frac{3}{4} =
\]
9. \[
\frac{2}{5} + \frac{1}{5} =
\]
10. \[
\frac{7}{12} + \frac{2}{12} =
\]
11. \[
\frac{1}{3} + \frac{1}{3} =
\]
12. \[
\frac{3}{8} + \frac{3}{8} =
\]
13. \[
\frac{1}{4} + \frac{1}{4} =
\]
14. \[
\frac{4}{6} + \frac{1}{6} =
\]
15. \[
\frac{3}{8} + \frac{4}{8} =
\]
16. \[
\frac{6}{12} + \frac{4}{12} =
\]

Mixed Review

Add.

17. \[3 + 4 + 5 = \]
18. \[1 + 1 + 9 = \]
19. \[5 + 8 + 7 = \]

Which is greater?

20. 5 feet or 5 inches
21. 2 feet or 2 yards
22. 6 cups or 6 pints

Compare. Write <, >, or = in each circle.

23. \[
\frac{3}{5} \quad \bigcirc \quad \frac{1}{4}
\]
24. \[
\frac{2}{3} \quad \bigcirc \quad \frac{4}{6}
\]
25. \[
\frac{1}{8} \quad \bigcirc \quad \frac{3}{9}
\]
26. \[
\frac{5}{7} \quad \bigcirc \quad \frac{6}{7}
\]
27. \[
\frac{1}{2} \quad \bigcirc \quad \frac{1}{8}
\]
28. \[
\frac{2}{5} \quad \bigcirc \quad \frac{3}{4}
\]
Add Fractions

Find the sum. Write the answer in simplest form.

1. \(\frac{1}{6} + \frac{1}{6} = \) ______ 
   \[\frac{1}{3} + \frac{1}{3}\]

2. \(\frac{1}{12} + \frac{1}{12} = \) ______ 
   \[\frac{1}{2}\]

\[\frac{3}{6} + \frac{1}{6} = \] ______

\[\frac{2}{12} + \frac{4}{12} = \] ______

3. \(\frac{1}{8} + \frac{1}{8} = \) ______ 
   \[\frac{1}{2}\]

4. \(\frac{1}{12} + \frac{1}{12} = \) ______ 
   \[\frac{1}{3} + \frac{1}{3}\]

\[\frac{2}{8} + \frac{2}{8} = \] ______

\[\frac{6}{12} + \frac{2}{12} = \] ______

Find the sum. Write the answer in simplest form.
Use fraction bars if you wish.

5. \(\frac{1}{6} + \frac{3}{6} = \) ______

6. \(\frac{4}{12} + \frac{3}{12} = \) ______

7. \(\frac{3}{8} + \frac{3}{8} = \) ______

8. \(\frac{1}{4} + \frac{1}{4} = \) ______

9. \(\frac{4}{12} + \frac{4}{12} = \) ______

10. \(\frac{1}{2} + \frac{1}{2} = \) ______

11. \(\frac{1}{6} + \frac{1}{6} = \) ______

12. \(\frac{1}{8} + \frac{1}{8} = \) ______

13. \(\frac{1}{12} + \frac{1}{12} = \) ______

14. \(\frac{1}{10} + \frac{1}{10} = \) ______

15. \(\frac{1}{5} + \frac{1}{5} = \) ______

16. \(\frac{3}{4} + \frac{1}{4} = \) ______

Mixed Review

Write a fraction to describe the shaded part.

17. \[\text{Diagram with shaded parts} \]

18. \[\text{Diagram with shaded parts} \]

19. \[\text{Diagram with shaded parts} \]

Write the quotient.

20. \(30 \div 3 = \) _____

21. \(64 \div 8 = \) _____

22. \(28 \div 7 = \) _____
Subtract Fractions

Find the difference.

1. \( \frac{3}{4} - \frac{2}{4} = \) ____

2. \( \frac{4}{6} - \frac{1}{6} = \) ____

3. \( \frac{4}{5} - \frac{3}{5} = \) ____

4. \( \frac{7}{8} - \frac{2}{8} = \) ____

Use fraction bars to find the difference.

5. \( \frac{6}{10} - \frac{1}{10} = \) ____

6. \( \frac{4}{10} - \frac{3}{10} = \) ____

7. \( \frac{3}{5} - \frac{1}{5} = \) ____

8. \( \frac{5}{8} - \frac{3}{8} = \) ____

9. \( \frac{4}{5} - \frac{2}{5} = \) ____

10. \( \frac{7}{12} - \frac{2}{12} = \) ____

11. \( \frac{2}{3} - \frac{1}{3} = \) ____

12. \( \frac{8}{8} - \frac{3}{8} = \) ____

13. \( \frac{3}{4} - \frac{2}{4} = \) ____

14. \( \frac{4}{6} - \frac{1}{6} = \) ____

15. \( \frac{11}{12} - \frac{4}{12} = \) ____

16. \( \frac{5}{6} - \frac{4}{6} = \) ____

Mixed Review

Solve.

17. \( 5 + (4 - 1) = \) ____

18. \( (1 - 1) + 9 = \) ____

19. \( 8 - (7 - 5) = \) ____

20. \( \begin{array}{c}
712 \\
- 558 \\
\end{array} \) = \( \) ____

21. \( \begin{array}{c}
450 \\
+ 388 \\
\end{array} \) = \( \) ____

22. \( \begin{array}{c}
917 \\
- 652 \\
\end{array} \) = \( \) ____

Write the place value of the 2 in each number.

23. 23,957

24. 43,289

25. 808,072

PW146 Practice
Subtract Fractions

Compare. Use fraction bars to find the difference. Write the answer in simplest form.

1. \(\frac{1}{4} - \frac{1}{4} = \) 
2. \(\frac{1}{6} - \frac{1}{6} = \)

3. \(\frac{1}{8} - \frac{1}{8} = \)
4. \(\frac{7}{12} - \frac{4}{12} = \)

Find the difference. Write the answer in simplest form.
Use fraction bars.

5. \(\frac{6}{8} - \frac{2}{8} = \)
6. \(\frac{4}{10} - \frac{2}{10} = \)
7. \(\frac{4}{5} - \frac{1}{5} = \)

8. \(\frac{5}{8} - \frac{3}{8} = \)
9. \(\frac{4}{6} - \frac{2}{6} = \)
10. \(\frac{7}{12} - \frac{2}{12} = \)

11. \(\frac{5}{6} - \frac{1}{6} = \)
12. \(\frac{8}{8} - \frac{2}{8} = \)
13. \(\frac{6}{10} - \frac{2}{10} = \)

14. \(\frac{9}{10} - \frac{1}{10} = \)
15. \(\frac{11}{12} - \frac{2}{12} = \)
16. \(\frac{3}{4} - \frac{1}{4} = \)

Mixed Review

Add.
17. \(\frac{1}{4} + \frac{1}{4} = \)
18. \(\frac{1}{5} + \frac{3}{5} = \)
19. \(\frac{1}{6} + \frac{4}{6} = \)

Complete.
20. \(4 \times \_ \times 3 = 12\)
21. \(5 \times \_ \times 8 = 0\)
22. \(\_ \times 8 \times 6 = 48\)
Problem Solving Skill

Reasonable Answers

Solve. Tell how you know your answer is reasonable.

1. A table seats 10 people. Of the people sitting at the table, \( \frac{4}{10} \) are girls, \( \frac{4}{10} \) are boys, and the rest are adults. What part of the table is occupied by adults?

2. Benjamin opened a package of crackers. He ate \( \frac{3}{8} \) of the crackers. Then Terry ate \( \frac{2}{8} \) of the crackers. What part of the crackers were left?

3. Janet colored \( \frac{7}{12} \) of her picture red and \( \frac{3}{12} \) of her picture green. The rest of the picture was left uncolored. What part of her picture was left uncolored?

4. Michael opened a package of wrapping paper. He used \( \frac{1}{4} \) of the paper to wrap a present and \( \frac{1}{4} \) of the paper to decorate a box. How much of the paper was left?

Mixed Review

Solve.

5. \( 19 - 15 = \) _____
6. \( 72 \div 9 = \) _____
7. \( 39 - 27 = \) _____
Relate Fractions and Decimals

Write the fraction and decimal for the shaded part.


Mixed Review

Find the quotient.

9. $12 \div 2 = \boxed{}$
10. $16 \div 8 = \boxed{}$
11. $9 \div 3 = \boxed{}$
12. $63 \div 9 = \boxed{}$
13. $50 \div 10 = \boxed{}$
14. $56 \div 7 = \boxed{}$
15. $35 \div 5 = \boxed{}$
16. $24 \div 4 = \boxed{}$
17. $36 \div 4 = \boxed{}$

Solve.

18. $484 - 232 = 
19. $795 + 496 = 
20. $734 - 207 = 
21. $225 + 118 = 

22. $8,128 - 2,716 = 
23. $4,030 + 1,812 = 
24. $9,235 - 2,122 = 
25. $5,687 + 3,401 =
Tenths

Use the decimal models to show each amount. Then write the decimal.

1. 2. 3. 4.

Write each fraction or mixed number as a decimal.

5. \( \frac{4}{10} \) 6. \( \frac{2}{10} \) 7. \( \frac{1}{10} \) 8. \( \frac{9}{10} \) 9. \( \frac{7}{10} \)

Write each decimal as a fraction or mixed number.

10. 0.5 11. 0.3 12. 1.8 13. 0.6 14. 0.9

Mixed Review

Compare. Write <, >, or = for each □.

15. \( 4 \times 7 \) □ \( 5 \times 5 \) 16. \( 3 \times 6 \) □ \( 9 \times 2 \)
17. \( 33 \) □ \( 4 \times 8 \) 18. \( 7 \times 1 \) □ \( 14 \times 0 \)
19. \( 11 \times 4 \) □ 47 20. \( 10 \times 2 \) □ \( 5 \times 4 \)

Write each number in expanded form.

21. 32,594
22. 6,720
23. 40,897
24. 75,912
**Hundredths**

Use the decimal models to show each amount. Then write the decimal.

1. \( \frac{7}{100} \)  
2. \( \frac{9}{100} \)  
3. \( \frac{20}{100} \)  
4. \( \frac{25}{100} \)  
5. \( \frac{49}{100} \)  
6. \( \frac{72}{100} \)

Write each fraction or mixed number as a decimal.

7. \( 1 \frac{25}{100} \)  
8. \( \frac{50}{100} \)  
9. \( \frac{85}{100} \)  
10. \( \frac{3}{100} \)

Write each decimal as a fraction or mixed number.

11. 0.06  
12. 0.74  
13. 1.12  
14. 0.01

**Mixed Review**

15. \( 5,591 + 332 = \)  
16. \( 654 + 1,987 = \)  
17. \( 3,069 + 451 = \)  
18. \( 674 - 91 = \)  
19. \( 274 - 115 = \)  
20. \( 953 - 608 = \)  
21. \( 4,124 - 1,325 = \)  
22. \( 7,833 + 1,049 = \)
Read and Write Decimals

Write the word form and expanded form for each decimal.

1. Ones   •   Tenths   Hundredths
   0   •   2   7

2. Ones   •   Tenths   Hundredths
   0   •   9   1

3. Ones   •   Tenths   Hundredths
   0   •   4   5

4. Ones   •   Tenths   Hundredths
   0   •   6   8

Write tenths or hundredths.

5. 0.36 = 3 tenths 6 _____________

6. 0.79 = 7 _______________ 9 hundredths

Write the missing number.

7. 0.36 = 3 tenths ____ hundredths

8. 0.79 = ____ tenths 9 hundredths

Mixed Review

Find the product.

9. 4 × 5 = ____

10. 7 × 9 = ____

11. 6 × 7 = ____

12. ____ = 6 × 6

13. 5 × 8 = ____

14. ____ = 9 × 3

15. Kristi drinks 3 glasses of milk each day. How many glasses of milk does she drink in one week?

16. A bus can seat 25 passengers. How many passengers can ride on 2 buses?
Compare and Order Decimals

Compare. Write < or > for each □.

1. \[\begin{array}{c|c|c|c}
\text{Ones} & \text{Tenths} & \text{Hundredths} \\
\hline
8 & 5 & 6 \\
6 & 9 & 5 \\
\end{array}\]

2. \[\begin{array}{c|c|c|c}
\text{Ones} & \text{Tenths} & \text{Hundredths} \\
\hline
8 & 5 & 6 \\
6 & 9 & 5 \\
\end{array}\]

2.25 □ 2.14

3. \[\begin{array}{c|c|c|c}
\text{Ones} & \text{Tenths} & \text{Hundredths} \\
\hline
4 & 7 & 2 \\
6 & 0 & 1 \\
\end{array}\]

8.56 □ 6.95

4.72 □ 6.01

Use the number line to order the decimals from least to greatest.

\[\begin{array}{cccccccccccc}
& & & & & & & & & & & \\
& 1 & & 1.1 & & 1.2 & & 1.3 & & 1.4 & & 1.5 & & 1.6 & & 1.7 & & 1.8 & & 1.9 & & 2 \\
\end{array}\]

4. 1.6, 1.1, 1.9

5. 1, 1.6, 1.1

6. 1.3, 2.0, 1.6

7. 1.9, 1, 2.0

Mixed Review

Add.

8. \(\frac{1}{2} + \frac{1}{2} = \) 1

9. \(\frac{1}{4} + \frac{1}{4} = \) \(

10. \(\frac{2}{8} + \frac{3}{8} = \) \(

Subtract. Write the answer in simplest form.

11. \(\frac{8}{10} - \frac{5}{10} = \) 0

12. \(\frac{9}{12} - \frac{8}{12} = \) \(

13. \(\frac{5}{6} - \frac{3}{6} = \) \(

Tell the time 3 hours after the time on each clock.

14. 15. 16.
Problem Solving Skill

Reasonable Answers

Solve.
1. Richard bought a package of ground meat. It weighed a pound. Richard used \(\frac{2}{3}\) pound to make dinner. He said he still has about \(\frac{1}{2}\) pound left. Is his estimate reasonable? Explain.

2. Cindy said that \(\frac{1}{2}\) of her crayons are red, \(\frac{1}{2}\) of her crayons are orange, and the other \(\frac{1}{2}\) of her crayons are yellow. Is this a reasonable description of Cindy’s crayons? Explain.

3. Brady wanted to buy a pen that costs $1.24 and a pencil that costs $0.35. The clerk said the total was $2.59. Is this possible? Explain.

4. Lisa had 1.5 liters of juice to serve for breakfast. After her family ate, she said she had about 0.5 liter left. Is her estimate reasonable? Explain.

Mixed Review

Write the fraction that names the shaded part.

5. 

6. 

7. 

PW154 Practice
Relate Fractions and Money

Write the amount of money shown. Then write the amount as a fraction of a dollar.

1.  

2.  

3.  

4.  

5.  

6.  

7.  

8.  

Mixed Review

Write a decimal to show what part of each decimal square is shaded.

9.  

10.  

11.  

Find the quotient.

12. 54 ÷ 9 = ________  

13. 50 ÷ 5 = ________  

14. 20 ÷ 5 = ________
Relate Decimals and Money

Write the money amount for each fraction of a dollar.

1. $\frac{20}{100}$  
2. $\frac{62}{100}$  
3. $\frac{25}{100}$  
4. $\frac{78}{100}$  
5. $\frac{55}{100}$  
6. $\frac{50}{100}$  
7. $\frac{15}{100}$  
8. $\frac{9}{100}$

Write the money amount.

9. 32 hundredths of a dollar  
10. 9 hundredths of a dollar  
11. 48 hundredths of a dollar

12. 99 hundredths of a dollar  
13. 61 hundredths of a dollar  
14. 5 hundredths of a dollar

Write the missing numbers. Use the fewest coins possible.

15. $0.36 = \_\_ dimes \_\_ pennies
16. $0.05 = \_\_ dimes \_\_ pennies
17. $0.64 = \_\_ dimes \_\_ pennies
18. $0.14 = \_\_ dimes \_\_ pennies

Mixed Review

Write a fraction to show what part of each decimal model is shaded.

19.  
20.  
21.  

______________________________  _________________________  _________________________
Add and Subtract Decimals and Money

Add or subtract.

1. 0.27 + 0.39
2. 0.70 − 0.16
3. 0.88 − 0.29
4. 0.26 + 0.35

5. 0.47 + 0.26
6. 0.99 − 0.37
7. 0.31 + 0.47
8. 0.78 − 0.46

9. $0.98 − 0.50
10. $0.58 + 0.21
11. 0.81 − 0.49
12. 0.73 + 0.12

13. 1.00 − 0.99
14. 0.34 + 0.56
15. 0.89 − 0.49
16. 4.5 + 3.6

17. $2.13 + 0.39
18. $4.89 − 2.37
19. 0.18 + 1.56
20. 8.6 − 3.9

Mixed Review

Add or subtract.

21. 243 + 82
22. 116 + 96
23. 89 + 96
24. 741 + 331

25. 99 − 55
26. 96 − 83
27. 81 − 49
28. 78 − 45
Problem Solving Strategy

Break Problems into Simpler Parts

Use the prices in the chart below. Break the problem into simpler parts to solve.

1. Pam has $4. If she buys 1 box of crayons and 3 tubes of paint, how much money will she have left?

   crayons $0.39 per box
   markers $0.75 per box
   paints $0.85 per tube
   brush $0.28

2. Stephano has $3. If he buys one of everything on the price list, how much money will he have left?

3. Daniel has $6. If he buys 3 tubes of paints and 3 brushes, how much money will he have left?

Mixed Review

Write the amount of money shown. Then write the amount as a fraction of a dollar.

4.  
   5.  
   6.  

Find the perimeter of each figure.

7.  
   8.  
   9.  

PW158 Practice