

Heading to 4th Grade!

$$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 2 \\ \times 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 1 \\ \times 10 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 1 \\ \times 8 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 2 \\ \times 10 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 1 \\ \times 5 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$$

$$3 \overline{)27} \begin{array}{l} 9 \\ \hline \end{array}$$

$$9 \overline{)9} \begin{array}{l} 1 \\ \hline \end{array}$$

$$7 \overline{)35} \begin{array}{l} 5 \\ \hline \end{array}$$

$$3 \overline{)15} \begin{array}{l} 5 \\ \hline \end{array}$$

$$4 \overline{)36} \begin{array}{l} 9 \\ \hline \end{array}$$

$$5 \overline{)35} \begin{array}{l} 7 \\ \hline \end{array}$$

$$8 \overline{)48} \begin{array}{l} 6 \\ \hline \end{array}$$

$$2 \overline{)12} \begin{array}{l} 6 \\ \hline \end{array}$$

$$3 \div 1 = 3$$

$$40 \div 10 = 4$$

$$14 \div 2 = 7$$

$$24 \div 4 = 6$$

Choose the best answer.

1. The slide costs \$1. The Ferris wheel costs \$2. Stephen and Alicia went on each ride the same number of times. Together, they spent \$12 in all. How many times were they on each ride?

A 2
B 3
C 4
D 5

2. Juanita wants to buy a computer that costs \$779. She also wants to buy a printer that costs \$136. How much money will Juanita spend all together?

A \$925
B \$915
C \$905
D \$805

3. Which fraction is equivalent to $\frac{1}{4}$?

$\frac{1}{4}$

A $\frac{2}{5}$
B $\frac{2}{6}$
C $\frac{2}{8}$
D $\frac{1}{6}$

4. Write a multiplication/division fact family using 7, 9, and another number.

$$\underline{7 \times 9 = 63, 9 \times 7 = 63,}$$

$$\underline{63 \div 9 = 7, 63 \div 7 = 9}$$

5. What is the next number in the pattern below?

$$27, 35, 43, 51, 59, \underline{67}$$

6. Make a drawing of a fraction that is equivalent to $\frac{2}{6}$. Your drawing should not show $\frac{2}{6}$.

Check students' drawings.

7. Find the product.

$$2 \times 3 \times 5 \underline{30}$$

8. How do you write 3,715 in word form?

three thousand,
seven hundred
and fifteen

$$\begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 11 \\ \times 10 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 10 \\ \times 6 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 4 \\ \times 11 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$

$$2 \overline{)18}^9$$

$$7 \overline{)63}^9$$

$$3 \overline{)24}^8$$

$$7 \overline{)21}^3$$

$$6 \overline{)24}^4$$

$$6 \overline{)36}^6$$

$$3 \overline{)9}^3$$

$$8 \overline{)16}^2$$

$$81 \div 9 = 9$$

$$40 \div 4 = 10$$

$$50 \div 10 = 5$$

$$40 \div 5 = 8$$

Choose the best answer.

- Beth put 28 cards into 4 equal piles. How many cards were in each pile?
A 32
B 8
C 7
D 6
- Which number sentence below is true?
A $8 \div 8 = 0$
B $7 \div 1 = 1$
C $0 \div 6 = 6$
D $9 \div 1 = 9$
- There are 7 baskets in the garage. Each basket holds 6 flowerpots. Which number sentence is in the fact family for these numbers?
A $42 - 7 = 35$
B $42 \div 6 = 7$
C $42 + 7 = 49$
D $42 - 6 = 36$

- Write the difference in simplest form. You may draw a picture to help.

$$\frac{4}{6} - \frac{2}{6} = \underline{\frac{1}{3}}$$

For 5 through 7, write a numerical expression for each word phrase.

- 3 times as long as 8 inches

$$\underline{3 \times 8}$$

- 25 feet shorter than 70 feet

$$\underline{70 - 25}$$

- A total of 21 black cats and 17 white cats

$$\underline{21 + 17}$$

- What is the greatest number you can make from the digits 1, 8, 2, and 5? Each digit may only be used once.

$$\underline{8,521}$$

$$\begin{array}{r} 36 \\ 47 \\ + 35 \\ \hline 118 \end{array}$$

$$\begin{array}{r} 247 \\ 362 \\ + 49 \\ \hline 658 \end{array}$$

$$\begin{array}{r} 273 \\ 82 \\ + 124 \\ \hline 479 \end{array}$$

$$\begin{array}{r} 64 \\ 42 \\ + 88 \\ \hline 194 \end{array}$$

$$\begin{array}{r} 32 \\ 9 \\ + 46 \\ \hline 87 \end{array}$$

$$\begin{array}{r} 602 \\ 125 \\ + 231 \\ \hline 958 \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 10 \\ \times 9 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 9 \\ \times 11 \\ \hline 99 \end{array}$$

$$\begin{array}{r} 8 \\ \times 11 \\ \hline 88 \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$$

$$\begin{array}{r} 8,787 \\ - 6,332 \\ \hline 2,455 \end{array}$$

$$\begin{array}{r} 9,855 \\ - 4,432 \\ \hline 5,423 \end{array}$$

$$\begin{array}{r} 2,573 \\ - 1,563 \\ \hline 1,010 \end{array}$$

Choose the best answer.

1. Which is the best unit to use to measure the capacity of an aquarium in a museum?

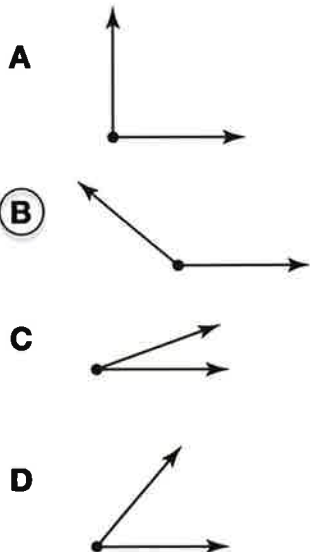
A Cup C Quart
B Pint **D** Gallon

2. What is the volume of the figure below?



A 12 cubic units
B 14 cubic units
C 16 cubic units
D 18 cubic units

3. Mónica drew an obtuse angle. Which angle could she have drawn?



4. How many cups are equal to one pint?

2 cups

5. Change 4 feet, 3 inches to inches.

39 inches

6. Dwight is on page 504 of the book that he is reading. He started the day on page 376. How many pages has Dwight read today?

$504 - 376 = 128$

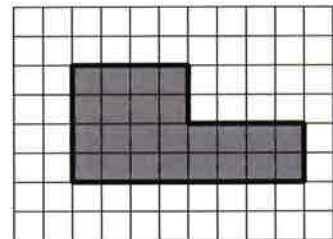
7. Use a ruler. What is the length of the pencil below to the nearest inch?



2.5 inches

8. What is the area of the figure shown below?

24



Add/ Subtract:

$$\begin{array}{r} 1. \quad 2,314 \\ +5,173 \\ \hline 7,487 \end{array}$$

$$\begin{array}{r} 2. \quad 5,326 \\ +3,542 \\ \hline 8,868 \end{array}$$

$$\begin{array}{r} 3. \quad 9,867 \\ -8,536 \\ \hline 1,331 \end{array}$$

Multiplication/ Division:

$4. \quad 3 \times 6 = 18$

$5. \quad 2 \times 9 = 18$


$6. \quad 4 \times 4 = 16$

$7. \quad 8 \div 2 = 4$


$8. \quad 2 \div 2 = 1$

$9. \quad 6 \div 3 = 2$

Money:

10. 
\$

11. 
\$

12. 
\$

Patterns:

13.     

14. 8, 13, 18, 23, 28, 33, 38

rule: add five _____

Greater than or Less than:

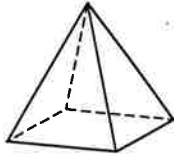
$15. \quad 10 _ < _ 15$

$16. \quad 4+8 _ > _ 6+1$

$17. \quad 223 _ < _ 232$

Choose the best answer.

1. What is the name of the solid figure?



- A Cone
 - B Cube
 - C Sphere
 - D Pyramid**
2. Which is the best unit to use to estimate the length of a blue whale?
- A Inch
 - B Foot
 - C Yard**
 - D Mile
3. Which number comes next in the pattern below?
9, 17, 25, 33, _____
- A 48
 - B 47
 - C 44
 - D 41**

4. In 2005, there were 773 oldies radio stations in the United States. There were 380 contemporary rock stations. How many more oldies stations were there than contemporary rock stations?

5. Scott is 5 feet tall. How tall is he in inches?

6. What time does the clock below show?



7. The book that Ana is reading is 579 pages. When talking about the book, Ana rounded the number of pages to the nearest hundred. To what number did Ana round?

8. Which symbol makes this number sentence true? Use $<$, $>$, or $=$.

4,293 4,302



Write each number in expanded form.

See margin.

1. 7,409

2. 38,617

3. 926,054

Order the numbers from least to greatest.

4. 918 909 1,062 5. 934 1,121 1,119

909 918 1,062 934 1,119 1,121

6. 5,609 5,600 5,610 7. 8,736 8,832 8,734

5,600 5,609 5,610 8,734 8,736 8,832

Estimate and then find each sum. Check that your answer is reasonable. **Estimates will vary.**

8. 73
+ 59

9. 386
+ 94

10. 869
+ 253

11. 925
+ 678

12. 215
+ 499

130; 132

480; 480

1,200; 1,122 1,600; 1,603

700; 714

Estimate and then find each difference. Check that your answer is reasonable. **Estimates will vary.**

13. 64
- 39

14. 213
- 95

15. 502
- 317

16. 756
- 359

17. 308
- 179

20; 25

110; 118

200; 185

400; 397

100; 129

Find each product.

18. 6×8
48

19. 10×1
10

20. $2 \times 2 \times 2$
8

21. 4×7
28

22. 9×0
0

Error Search Find each sum or difference that is not correct. Write it correctly and explain the error. **See margin for 23, 25, and 26.**

23. 95
+ 18

103

24. 207
+ 536

743

25. 630
- 472

228

26. 849
+ 205

1,044

27. 534
- 427

107

Correct

Correct

Number Sense

Estimating and Reasoning Write true or false for each statement. If it is false, explain why.

28. $67 + 45 < 100$
See margin.

29. $8 \times 10 > 18$
True

30. $218 - 53 < 100$
See margin.

31. $969 - 837 > 100$
True

32. $342 + 519 < 1,000$
True

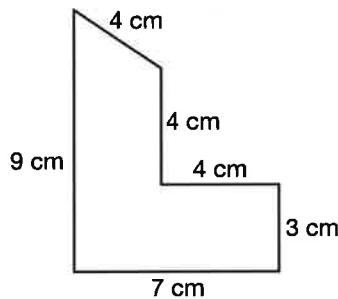
33. $0 \times 9 > 1 \times 9$
See margin.

Choose the best answer.

1. A total of 478 people attended the last town meeting. In a newspaper headline, the attendance was rounded to the nearest hundred. Which number appeared in the headline?

- A 400
- B 470
- C 480
- D 500

2. What is the perimeter of the figure?



- A 35 centimeters
 - B 31 centimeters
 - C 27 centimeters
 - D 24 centimeters
3. Which number sentence is true?
- A $4,237 > 4,327$
 - B $5,094 < 5,904$
 - C $6,438 = 6,448$
 - D $7,215 < 7,152$

Use the flag of Jamaica to answer 4 through 6.

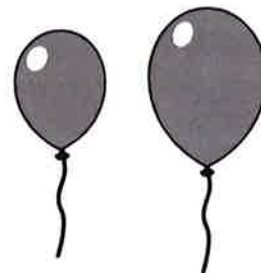


4. How many triangles in Jamaica's flag are obtuse?

5. How many triangles in Jamaica's flag are acute?

6. How many lines of symmetry does the flag of Jamaica have?

7. Are the balloons shown below congruent?



$$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 4 \\ \times 10 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 8 \\ \times 10 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 12 \\ \times 2 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 11 \\ \times 7 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 12 \\ \times 4 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 10 \\ \times 11 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 1 \\ \times 6 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ \times 11 \\ \hline 88 \end{array}$$

$$\begin{array}{r} 7 \\ \times 10 \\ \hline 70 \end{array}$$

Money:



\$ 0.95



\$ 1.07



\$ 1.05

Choose the best answer.

1. A building is 972 feet tall. Mr. Baldwin rounded the number to the nearest hundred. What number did Mr. Baldwin use?

A 1,000 **C** 970
B 980 **D** 900

2. What time does the clock below show?



A 10:43 **C** 11:17
B 11:05 **D** 12:43

3. How many centimeters are equal to one meter?

A 1,000 **C** 10
B 100 **D** 1

4. What time does the clock below show?



A 1:03 **C** 3:01
B 1:15 **D** 3:05

5. There are 3 lines of people waiting to enter a concert hall. Each line has 68 people. How many people are in line all together?

204

6. Find the difference.

$$\begin{array}{r} 903 \\ - 457 \\ \hline \end{array}$$

446

7. Sissy baked 48 cookies for 12 of her friends. Each friend will receive the same number of cookies. How many cookies will each friend get?

4

8. Draw hands to show a time of 4:48.





Estimate and then find each sum. Check that your answer is reasonable. **Estimates will vary.**

$$\begin{array}{r} 1. \quad 24 \\ + 65 \\ \hline \end{array}$$

90; 89

$$\begin{array}{r} 2. \quad 39 \\ + 76 \\ \hline \end{array}$$

120; 115

$$\begin{array}{r} 3. \quad 638 \\ + 823 \\ \hline \end{array}$$

1,400; 1,461

$$\begin{array}{r} 4. \quad 4,207 \\ + 1,985 \\ \hline \end{array}$$

6,000; 6,192

Estimate. Then find each difference. Check that your answer is reasonable.

$$\begin{array}{r} 5. \quad 83 \\ - 27 \\ \hline \end{array}$$

50; 56

$$\begin{array}{r} 6. \quad 285 \\ - 89 \\ \hline \end{array}$$

200; 196

$$\begin{array}{r} 7. \quad 602 \\ - 234 \\ \hline \end{array}$$

400; 368

$$\begin{array}{r} 8. \quad 5,413 \\ - 2,278 \\ \hline \end{array}$$

3,000; 3,135

Find each product.

$$\begin{array}{r} 9. \quad 4 \times 7 \\ \hline \end{array}$$

28

$$\begin{array}{r} 10. \quad 7 \times 9 \\ \hline \end{array}$$

63

$$\begin{array}{r} 11. \quad 0 \times 8 \\ \hline \end{array}$$

0

$$\begin{array}{r} 12. \quad 10 \times 6 \\ \hline \end{array}$$

60

$$\begin{array}{r} 13. \quad 8 \times 5 \\ \hline \end{array}$$

40

$$\begin{array}{r} 14. \quad 7 \times 8 \\ \hline \end{array}$$

56

$$\begin{array}{r} 15. \quad 5 \times 9 \\ \hline \end{array}$$

45

$$\begin{array}{r} 16. \quad 4 \times 3 \\ \hline \end{array}$$

12

$$\begin{array}{r} 17. \quad 3 \times 9 \\ \hline \end{array}$$

27

$$\begin{array}{r} 18. \quad 2 \times 10 \\ \hline \end{array}$$

20

Find each quotient.

$$\begin{array}{r} 19. \quad 54 \div 6 \\ \hline \end{array}$$

9

$$\begin{array}{r} 20. \quad 40 \div 8 \\ \hline \end{array}$$

5

$$\begin{array}{r} 21. \quad 18 \div 3 \\ \hline \end{array}$$

6

$$\begin{array}{r} 22. \quad 45 \div 5 \\ \hline \end{array}$$

9

$$\begin{array}{r} 23. \quad 72 \div 9 \\ \hline \end{array}$$

8

$$\begin{array}{r} 24. \quad 36 \div 9 \\ \hline \end{array}$$

4

$$\begin{array}{r} 25. \quad 63 \div 7 \\ \hline \end{array}$$

9

$$\begin{array}{r} 26. \quad 42 \div 6 \\ \hline \end{array}$$

7

$$\begin{array}{r} 27. \quad 21 \div 7 \\ \hline \end{array}$$

3

$$\begin{array}{r} 28. \quad 18 \div 9 \\ \hline \end{array}$$

2

Error Search Find each sum or difference that is not correct.

Write it correctly and explain the error. For **31** and **32**, you may

use fraction strips or draw a picture to help. **30–32. See margin.**

$$\begin{array}{r} 29. \quad 183 \\ + 127 \\ \hline 310 \end{array}$$

Correct

$$\begin{array}{r} 30. \quad 685 \\ - 289 \\ \hline 404 \end{array}$$

$$31. \quad \frac{2}{5} + \frac{1}{5} - \frac{1}{5}$$

$$32. \quad \frac{7}{8} - \frac{3}{8} - \frac{1}{4}$$

Number Sense

Estimating and Reasoning Write true or false for each statement.

If it is false, explain why.

$$33. \quad 3 \times 10 > 300$$

False; $3 \times 10 = 30$

$$35. \quad 90 \div 8 < 100$$

True

$$37. \quad \$3.65 + 2.95 > \$5.00$$

True

$$34. \quad 27 \div 3 > 10 \quad \text{False; } 27 \div 3 = 9$$

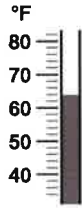
$$36. \quad \frac{1}{4} + \frac{2}{4} > 1 \quad \text{False; } \frac{3}{4} < 1$$

$$38. \quad \$6.84 - \$5.00 > \$1.00$$

True

Choose the best answer.

1. Manuel checks the temperature on the thermometer every day when he arrives home from school. The thermometer below shows Monday's temperature.



What was the temperature when Manuel arrived home from school on Monday?

- A 62°F
B 64°F
 C 66°F
 D 68°F
2. How many centimeters are equal to 1 meter?
- A 1,000
B 100
 C 10
 D 1
3. A table has eight sides. What polygon is the tabletop?
- A Rectangle
 B Square
 C Hexagon
D Octagon

4. Big Bend National Park is about 800,000 acres in area. Brazos Bend State Park is about 5,000 acres in area. About how many acres greater in area is Big Bend National Park than Brazos Bend State Park?

795,000 acres

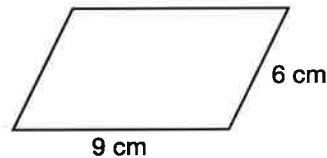
5. An acre is 43,560 square feet. What is the value of the 3 in 43,560?

3,000

6. Which unit makes this sentence true? Use *grams* or *kilograms*.

A CD has a mass of 10 **grams**.

7. What is the perimeter of the parallelogram?



30 centimeters

8. What is the name of a triangle with three equal sides?

equilateral triangle



Write the fraction in simplest form.

1. $\frac{4}{8} \frac{1}{2}$

2. $\frac{4}{10} \frac{2}{5}$

3. $\frac{8}{12} \frac{2}{3}$

4. $\frac{2}{4} \frac{1}{2}$

Find each sum or difference.

$$\begin{array}{r} 5. \quad \$3.82 \\ + 1.47 \\ \hline \$5.29 \end{array}$$

$$\begin{array}{r} 6. \quad \$7.08 \\ + 2.93 \\ \hline \$10.01 \end{array}$$

$$\begin{array}{r} 7. \quad \$5.86 \\ - 1.29 \\ \hline \$4.57 \end{array}$$

$$\begin{array}{r} 8. \quad \$4.00 \\ - 1.38 \\ \hline \$2.62 \end{array}$$

Find each product.

$$\begin{array}{r} 9. \quad 39 \\ \times 8 \\ \hline 312 \end{array}$$

$$\begin{array}{r} 10. \quad 56 \\ \times 7 \\ \hline 392 \end{array}$$

$$\begin{array}{r} 11. \quad 97 \\ \times 3 \\ \hline 291 \end{array}$$

$$\begin{array}{r} 12. \quad 86 \\ \times 5 \\ \hline 430 \end{array}$$

$$\begin{array}{r} 13. \quad 300 \\ \times 4 \\ \hline 1,200 \end{array}$$

Find each quotient.

$$\begin{array}{r} 14. \quad 3 \overline{)78} \\ \underline{26} \\ 0 \end{array}$$

$$\begin{array}{r} 15. \quad 6 \overline{)96} \\ \underline{16} \\ 0 \end{array}$$

$$\begin{array}{r} 16. \quad 2 \overline{)56} \\ \underline{28} \\ 0 \end{array}$$

$$\begin{array}{r} 17. \quad 4 \overline{)76} \\ \underline{19} \\ 0 \end{array}$$

Error Search Find each product that is not correct.

Write it correctly and explain the error. **18 and 20 See margin.**

$$\begin{array}{r} 18. \quad 76 \\ \times 4 \\ \hline 300 \end{array}$$

$$\begin{array}{r} 19. \quad 39 \\ \times 6 \\ \hline 234 \end{array}$$

$$\begin{array}{r} 20. \quad 17 \\ \times 2 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 21. \quad 86 \\ \times 3 \\ \hline 258 \end{array}$$

$$\begin{array}{r} 22. \quad 15 \\ \times 9 \\ \hline 135 \end{array}$$

Correct

Correct

Correct

Number Sense

Estimating and Reasoning Write whether each statement is true or false. If the statement is false, explain why.

23. The sum of 128 and 292 is greater than 300.

True

24. The sum of 910 and 100 is less than 1,000.

False; $900 + 100 = 1,000$, and $910 > 900$

25. The difference between 713 and 509 is less than 100.

False; 713 is about 700; 509 is about 500; $700 - 500 = 200$

26. The product of 4 and 29 is greater than 100.

True

27. The product of 5 and 86 is greater than 500.

False; 86 is about 90, $5 \times 90 = 450$

28. The quotient of $82 \div 2$ is greater than 40.

True

Choose the best answer.

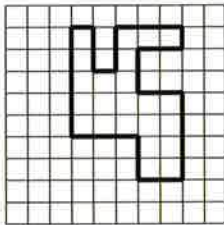
1. Which number sentence shows the Commutative Property of Multiplication?

A $2 + 4 = 4 + 2$
 B $3 \times 5 = (2 + 1) \times 5$
 C $6 \times 1 = 6$
 D $6 \times 7 = 7 \times 6$

2. A quart is equal to 32 fluid ounces. Mendy brought 8 quarts of punch to a party. How many fluid ounces of punch did Mendy bring to the party?

A 266
 B 256
 C 246
 D 241

3. If each \square represents 1 square unit, what is the area of this figure?



A 21 square units
 B 22 square units
 C 23 square units
 D 24 square units

Use the table below to answer 4 and 5.

Soccer Team

Player	Goals Scored
Mario	18
Fritz	7
Angel	12
Denny	2

4. How many more goals did Angel score than Fritz and Denny combined?

3

5. How many goals did the four players score all together?

39

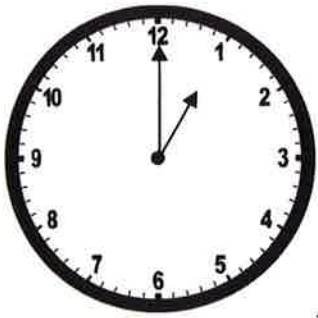
6. Tickets to the show cost \$10 each. Terrance wants to go to the show with 2 friends. How much money will the group pay?

\$30

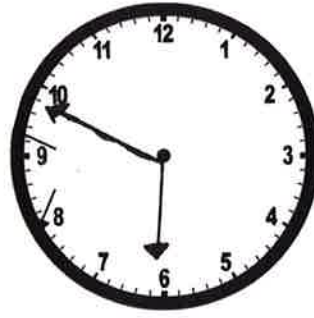
7. Estimate 8×67 .

About 560.

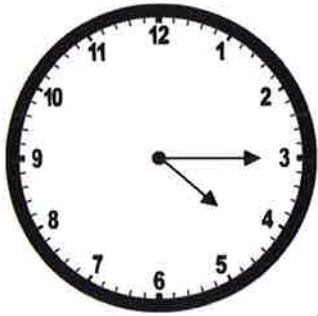
Tell the time to the closest minute.



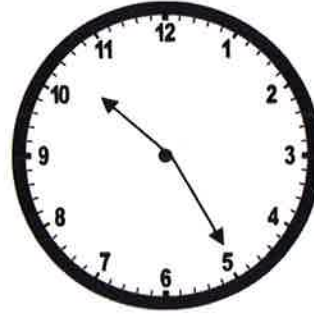
1:00



6:49



4:15



10:25



9:45



12:05

Give another way you can say the following time. 3:15
Quarter after three

If it is 3:20 now, what time will it be in 1 hour and 45 minutes? 5:05

$$\begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 23 \\ \times 2 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 42 \\ \times 6 \\ \hline 252 \end{array}$$

$$\begin{array}{r} 48 \\ \times 3 \\ \hline 144 \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 38 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 11 \\ \times 7 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 12 \\ \times 4 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 83 \\ \times 7 \\ \hline 581 \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 10 \\ \times 11 \\ \hline 110 \end{array}$$

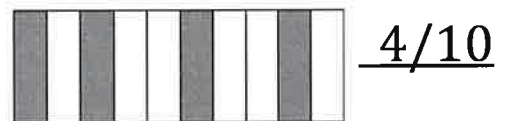
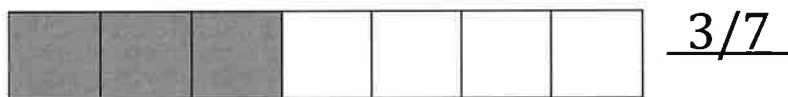
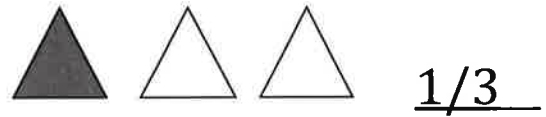
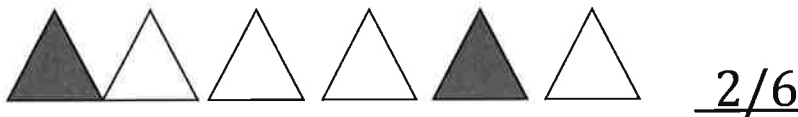
$$\begin{array}{r} 17 \\ \times 8 \\ \hline 136 \end{array}$$

$$\begin{array}{r} 43 \\ \times 5 \\ \hline 215 \end{array}$$

$$\begin{array}{r} 24 \\ \times 4 \\ \hline 96 \end{array}$$

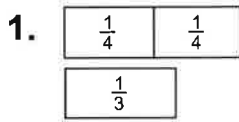
$$\begin{array}{r} 96 \\ \times 2 \\ \hline 192 \end{array}$$

Find the fraction of shaded shapes in each group.

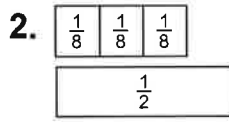


Use Models to Compare Fractions

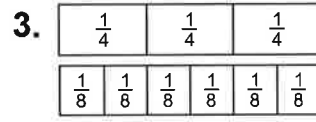
Compare. Write $>$, $<$, or $=$.



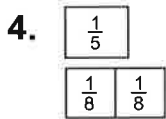
$$\frac{2}{4} > \frac{1}{3}$$



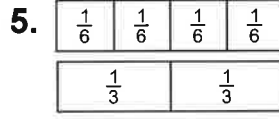
$$\frac{3}{8} < \frac{1}{2}$$



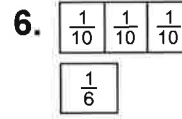
$$\frac{3}{4} = \frac{6}{8}$$



$$\frac{1}{5} < \frac{2}{8}$$



$$\frac{4}{6} = \frac{2}{3}$$



$$\frac{3}{10} > \frac{1}{6}$$

7. **Number Sense** Your body consists of $\frac{7}{10}$ water. Is more than $\frac{1}{2}$ your body water?

Yes, because 7/10 is greater than

1/2

9. Which fraction is greater than $\frac{1}{2}$?

- A $\frac{1}{4}$
- B $\frac{2}{6}$
- C $\frac{3}{8}$
- D $\frac{3}{4}$

8. **Draw a Picture** Draw a figure that is less than $\frac{1}{6}$.



Finding Equivalent Fractions

Complete each number sentence.

1. $\frac{\quad}{\quad} = 1$

$\frac{1}{5}$

$\frac{1}{10} + \frac{1}{10}$

$\frac{1}{5} = \frac{2}{10}$

2. $\frac{\quad}{\quad} = 1$

$\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

$\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

$\frac{3}{4} = \frac{2}{12}$

3. $\frac{\quad}{\quad} = 1$

$\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

$\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

$\frac{3}{6} = \frac{5}{10}$

Find the simplest form of each fraction.

4. $\frac{3}{12} = \frac{1}{4}$

5. $\frac{8}{10} = \frac{4}{5}$

6. $\frac{3}{8} = \frac{3}{8}$

Name a fraction to solve each problem.

7. Rob colored $\frac{1}{4}$ of a rectangle.

What is another way to name $\frac{1}{4}$?



$\frac{2}{8}, \frac{3}{12}$

8. Three fifths of the cast in a musical have to sing. What fraction of the cast does not have to sing?

$\frac{2}{5}$

Complete each pattern.

9. $\frac{1}{3}, \frac{2}{6}, \frac{3}{9}, \frac{4}{\quad}$
 $\frac{\quad}{12}$

10. $\frac{1}{2}, \frac{2}{4}, \frac{3}{6}, \frac{4}{8}, \frac{5}{\quad}, \frac{6}{\quad}$
 $\frac{10}{\quad} \quad \frac{12}{\quad}$

11. **Explain It** When using fraction strips, how do you know that two fractions are equivalent?

When they are the same length

12. Samuel has read $\frac{5}{6}$ of his assignment. Judy has read $\frac{10}{12}$ of her assignment. Their assignments were the same size. Which sentence is true?

- A Samuel read more than Judy.
- B Judy read more than Samuel.
- C They read the same amount.
- D They will both finish the assignment at the same time.