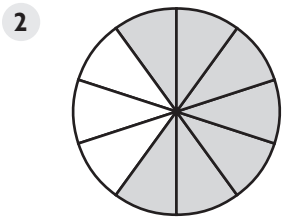
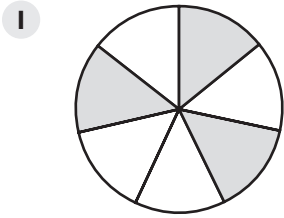


Practice: Skills, Concepts, and Problem Solving

Write a fraction for the shaded region.



Draw a picture to model each fraction. Use equal parts of a whole or set.

5 $\frac{4}{7}$

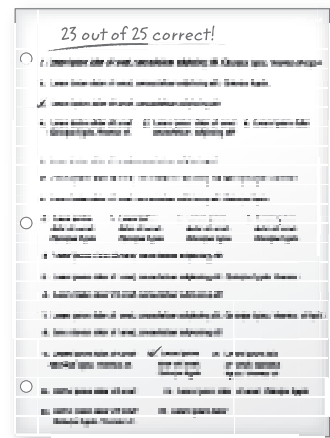
6 $\frac{1}{8}$

Solve.

7 A dog had 7 puppies. If 3 of the puppies are female, what fraction of them are male? _____

8 **ENGLISH** What fraction of the letters in the word Mississippi are vowels?

9 **SCHOOL**



This shows Sharika's score on her math exam. What fraction of the questions did she answer incorrectly?

Write the vocabulary word that completes the sentence.

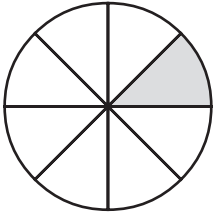
10 Six-sevenths ($\frac{6}{7}$) is an example of a _____. The _____ is 6 and the _____ is 7.

11 The entire amount or object is called the _____.

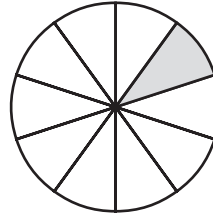
Practice: Skills, Concepts, and Problem Solving

Write the unit fraction that represents each shaded region.

1



2



3



4



Use each given size of fraction tiles to form a rectangle equal to 1.
Write the fraction that equals 1.

5

$\frac{1}{5}$ fraction tiles _____

6

$\frac{1}{9}$ fraction tiles _____

7

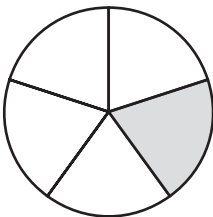
$\frac{1}{6}$ fraction tiles _____

8

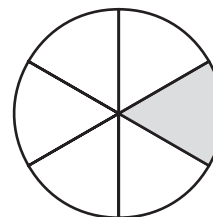
$\frac{1}{4}$ fraction tiles _____

The fraction circle is to identify each unit fraction shown. How many of these fractions equal 1?

9



10



Write each fraction as a decimal.

11

$\frac{3}{10}$ _____

12

$\frac{9}{10}$ _____

13

$\frac{10}{10}$ _____

14

$\frac{8}{10}$ _____

Solve.

15

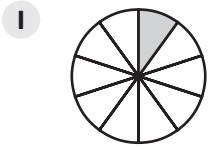
NATURE Mr. Lavin's planted 12 cabbage plants. A rabbit ate one of the plants. What fraction of the plants were still in the garden?

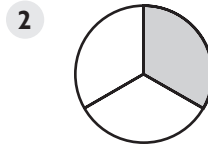
16

PACKAGING Mylene's suitcase has 3 equally-sized sections. She packs one section with socks, one with shirts, and one with pants. What fraction represents the space used to pack shirts?

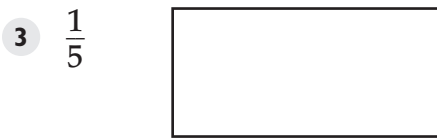
Practice: Skills, Concepts, and Problem Solving

Write the unit fraction that represents each shaded region.





Show where you make cuts to create each unit fraction.



Compare. Write $<$, $=$, or $>$ to make each a true statement.

5 $\frac{1}{3} \bigcirc \frac{1}{8}$

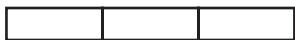
6 $\frac{1}{5} \bigcirc \frac{1}{2}$

7 $\frac{1}{4} \bigcirc \frac{1}{11}$

8 $\frac{1}{6} \bigcirc \frac{1}{10}$

Solve.

- 9 **SCHOOL** Mrs. Patel gave each student a rectangle. Gary drew the following lines on a rectangle and said it was fractions of $\frac{1}{3}$. Is Gary correct? Explain.



- 10 **COOKING** Shane is making a cake using the following recipe

Which ingredient does Shane need the most of? _____

Which ingredient does Shane need the least of? _____

Ingredient	Amount
Sugar	$\frac{1}{4}$ cup
Flour	$\frac{1}{2}$ cup
Baking Soda	$\frac{1}{6}$ cup
Water	$\frac{1}{3}$ cup

Write the vocabulary word that completes each sentence.

- 11 When comparing unit fractions, look at the _____ of the fractions.

- 12 The number above the bar in a fraction is the _____.

Complete to name an equivalent fraction.

1 $\frac{12}{22} = \frac{6}{\square}$

2 $\frac{3}{7} = \frac{15}{\square}$

3 $\frac{10}{17} = \frac{20}{\square}$

4 $\frac{4}{16} = \frac{\square}{4}$

Name two equivalent fractions for each fraction.

5 $\frac{1}{9}$

6 $\frac{6}{10}$

7 $\frac{5}{7}$

8 $\frac{2}{3}$

9 $\frac{8}{20}$

10 $\frac{15}{25}$

11 $\frac{7}{11}$

12 $\frac{9}{36}$

Solve.

- 13 **CRAFTS** Keisha had two pieces of ribbon of equal length. She cut the first piece of ribbon into 15 equal parts. She also cut the second piece of ribbon into equal parts. Nine parts of the first piece are equal in length to 3 parts of the second piece. Into how many parts did she cut the second piece of ribbon? _____

- 14 **GARDENING** Lisa and Calvin have herb gardens of equal size. Oregano takes up $\frac{2}{9}$ of Lisa's garden and $\frac{4}{18}$ of Calvin's garden. Do Lisa and Calvin use equal amounts of their gardens for oregano? Explain your answer.
- _____

Write the vocabulary word that completes the sentence

- 15 The amount of a number is its _____.

Practice: Skills, Concepts, and Problem Solving

Write each mixed number as an improper fraction.

1 $5\frac{2}{3} =$ _____

2 $4\frac{5}{7} =$ _____

3 $1\frac{1}{12} =$ _____

4 $2\frac{11}{12} =$ _____

5 $8\frac{2}{9} =$ _____

6 $6\frac{2}{5} =$ _____

Write each improper fraction as a mixed number.

7 $\frac{21}{8} =$ _____

8 $\frac{13}{2} =$ _____

9 $\frac{45}{7} =$ _____

10 $\frac{11}{4} =$ _____

11 $\frac{39}{5} =$ _____

12 $\frac{53}{12} =$ _____

Solve.

- 13 **CRAFTS** Denise is making stuffed animals. She uses buttons for decoration on the animals. She bought 9 packages of buttons. Each package has 6 buttons. Denise used a total of 33 buttons. Write an improper fraction and a mixed number to represent the number of packages Denise used. _____

Write the vocabulary word that completes each sentence.

- 14 The number $\frac{17}{5}$ is an example of an _____.

Practice: Skills, Concepts, and Problem Solving

Find the LCM of each set of numbers.

1 4, 8, 11 _____

2 3, 9, 15 _____

3 7, 8, 14 _____

4 4, 25, 50 _____

5 4, 5, 8, 20 _____

6 3, 5, 10, 15 _____

Solve.

7. **COMPUTERS** Shannon's flash drive is $\frac{2}{5}$ full of data. Alejandro's flash drive is $\frac{1}{2}$ full of data. Anna's flash drive is $\frac{3}{4}$ full of data. Show their flash drive data amounts with a common denominator.

8. **DINNER** Leo ate $\frac{1}{4}$ servings of green beans. Lincoln ate $\frac{3}{8}$ servings of green beans. Pedro ate $\frac{1}{5}$ servings of green beans. Show each person's servings of green beans with a common denominator.

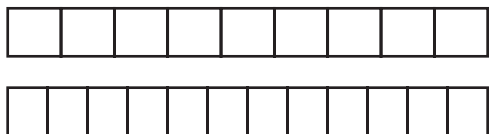
Write the vocabulary term that completes the sentence.

9. The _____ is the smallest whole number greater than 0 that is a common multiple of each of two or more numbers.

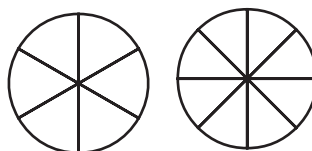
Practice: Skills, Concepts, and Problem Solving

Use $<$, $=$, or $>$ to compare the fractions. Shade the models given.

1 $\frac{2}{9} \bigcirc \frac{4}{12}$



2 $\frac{4}{6} \bigcirc \frac{5}{8}$



Use $<$, $=$, or $>$ to compare the fractions. Rename the fractions using a common denominator.

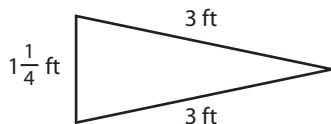
3 $\frac{13}{20} \bigcirc \frac{7}{10}$ _____

4 $\frac{5}{14} \bigcirc \frac{1}{3}$ _____

Solve.

- 5 **PETS** Amelia has two dogs, Daisy and Rover. Daisy weighs $12\frac{5}{8}$ pounds and Rover weighs $12\frac{3}{4}$ pounds. Which dog weighs more? _____

- 6 **CRAFTS** Bonita is using ribbon to decorate the perimeter of the flag shown below. The perimeter is found by adding the lengths of the sides of the triangle. She buys $7\frac{3}{8}$ feet of ribbon. Does she have enough ribbon to decorate the perimeter of the flag? Explain how you found your answer. _____

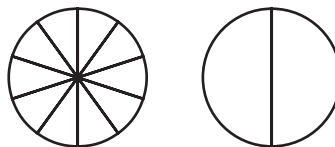


Practice: Skills, Concepts, and Problem Solving

Write each fraction in simplest form. Use models. Shade an equivalent area and name the simplified fraction.

1 $\frac{9}{12} =$

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



=

=

Write each fraction in simplest form. Use the GCF.

3 $\frac{5}{50}$ _____

4 $\frac{8}{36}$ _____

5 $\frac{12}{70}$ _____

6 $\frac{18}{42}$ _____

Write each fraction in simplest form. Use prime factorization.

7 $\frac{15}{100}$ _____

8 $\frac{20}{30}$ _____

9 $\frac{54}{81}$ _____

10 $\frac{8}{44}$ _____

Solve.

- 11 **PHOTOGRAPHS** Millie took 36 pictures using her digital camera. She deleted 8 pictures. In simplest form, what fraction of the pictures did Millie keep?

- 12 **SURVEY** A supermarket surveyed 100 people about their favorite brand of orange juice. Thirty-five people said *Sunshine State* orange juice is their favorite brand. In simplest terms, what fraction of the people surveyed did *not* say *Sunshine State* orange juice was their favorite brand?

Write the vocabulary word that completes each sentence.

- 13 A _____ number is any whole number greater than 1 with exactly two factors, 1 and itself.
- 14 A _____ number is a number greater than 1 with two or more factors.

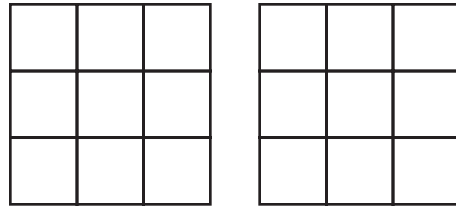
Practice: Skills, Concepts, and Problem Solving

Add using drawings. Write each sum in simplest form.

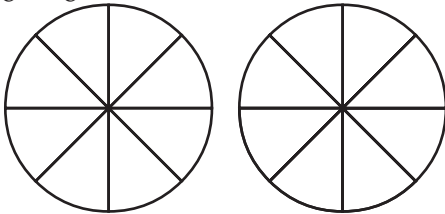
1 $\frac{1}{7} + \frac{4}{7} =$ _____



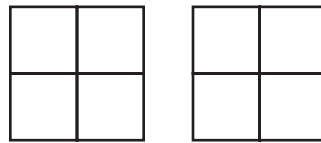
3 $\frac{8}{9} + \frac{7}{9} =$ _____



2 $\frac{3}{8} + \frac{3}{8} =$ _____



4 $\frac{3}{4} + \frac{1}{4} =$ _____



Add. Write each sum in simplest form.

5 $\frac{4}{5} + \frac{5}{5} =$ _____

6 $\frac{6}{7} + \frac{3}{7} =$ _____

7 $\frac{2}{10} + \frac{4}{10} =$ _____

8 $\frac{17}{22} + \frac{5}{22} =$ _____

9 $\frac{5}{8} + \frac{6}{8} =$ _____

10 $\frac{5}{6} + \frac{5}{6} =$ _____

11 $\frac{4}{14} + \frac{3}{14} =$ _____

12 $\frac{4}{9} + \frac{8}{9} =$ _____

Solve. Write in simplest form.

- 13 **FOOD** Mala cuts a watermelon into 12 equal pieces. She gives $\frac{3}{12}$ of the pieces to Samuel, $\frac{1}{12}$ of the pieces to Alana, $\frac{2}{12}$ of the pieces to Tyrone, and $\frac{3}{12}$ of the pieces to Silvia. What fraction did she give to the boys? _____

- 14 **CONSTRUCTION** Dasan glues 3 pieces of wood together to make a beam. The first piece of wood is $\frac{5}{8}$ thick, the second piece is $\frac{3}{8}$ thick, and the third piece is $\frac{2}{8}$ thick. How thick is the beam? _____

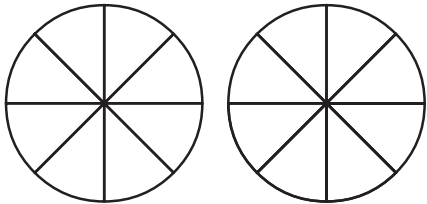
Write the vocabulary word that completes each sentence.

- 15 A fraction is in _____ when the numerator and the denominator have no common factor greater than 1.
- 16 Fractions that have the same bottom numbers have _____.

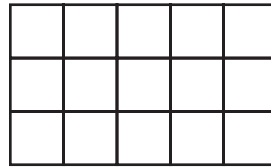
Practice: Skills, Concepts, and Problem Solving

Subtract using drawings. Write each difference in simplest form.

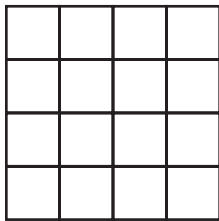
1 $\frac{7}{8} - \frac{4}{8} =$ _____



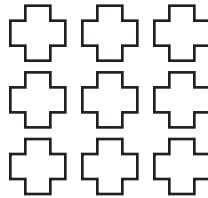
2 $\frac{11}{15} - \frac{2}{15} =$ _____



3 $\frac{13}{16} - \frac{1}{16} =$ _____



4 $\frac{5}{9} - \frac{3}{9} =$ _____



Subtract. Write each difference in simplest form.

5 $\frac{9}{11} - \frac{5}{11} =$ _____

6 $\frac{7}{8} - \frac{5}{8} =$ _____

7 $\frac{7}{9} - \frac{2}{9} =$ _____

8 $\frac{9}{12} - \frac{3}{12} =$ _____

9 $\frac{1}{3} - \frac{1}{3} =$ _____

10 $\frac{30}{45} - \frac{15}{45} =$ _____

Solve. Write in simplest form.

- 11 **CONSTRUCTION** Cody is building a half pipe in his backyard. For the frame, he buys beams that are $\frac{5}{6}$ yard long. After cutting the beams to fit the frame, he has $\frac{2}{6}$ yard long pieces remaining. How many yards long was the beam he used for the half pipe frame?
- _____

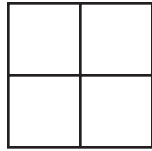
Write the vocabulary word that completes each sentence.

- 12 A fraction is in _____ when the numerator and the denominator have no common factor greater than 1.
- 13 Fractions that have _____ are also called *like fractions*.

Practice: Skills, Concepts, and Problem Solving

Multiply using drawings. Write each product in simplest form.

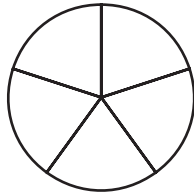
1 $\frac{1}{3} \cdot \frac{1}{4} =$ _____



3 $\frac{1}{6} \cdot \frac{2}{3} =$ _____



2 $\frac{3}{1} \cdot \frac{1}{5} =$ _____



4 $\frac{1}{4} \cdot \frac{3}{7} =$ _____



Multiply. Write each product in simplest form.

5 $\frac{7}{12} \cdot \frac{4}{5} =$ _____

6 $\frac{4}{11} \cdot \frac{5}{7} =$ _____

7 $\frac{5}{8} \cdot \frac{2}{6} =$ _____

8 $\frac{4}{7} \cdot \frac{3}{4} =$ _____

9 $\frac{2}{9} \cdot \frac{2}{3} =$ _____

10 $\frac{6}{6} \cdot \frac{5}{10} =$ _____

11 $\frac{11}{12} \cdot \frac{1}{2} =$ _____

12 $\frac{2}{8} \cdot \frac{5}{6} =$ _____

13 $\frac{1}{10} \cdot \frac{5}{7} =$ _____

14 $\frac{4}{15} \cdot \frac{2}{4} =$ _____

Solve.

- 15 **FOOD** Sachi bought some cherries. She gave $\frac{1}{5}$ of a pound of cherries to each of her 6 friends. How many total pounds of cherries did Sachi give to her friends?

- 16 **COLLECTIONS** Amy has collected 48 bugs for her bug collection. Beetles take up $\frac{1}{2}$ of the collection, and $\frac{3}{4}$ of the beetles are June Bugs. What fraction of Amy's collection is June Bugs? _____

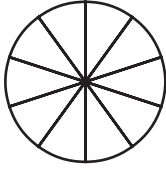
Write the vocabulary word that completes the sentence.

- 17 A _____ is a number that divides into a whole number evenly.

Practice: Skills, Concept, and Problem Solving

Divide using drawings. Write the quotient in simplest form.

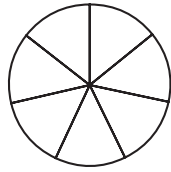
1 $\frac{5}{10} \div \frac{1}{4} =$ _____



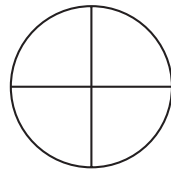
2 $\frac{6}{9} \div \frac{1}{12} =$ _____



3 $\frac{5}{7} \div \frac{1}{7} =$ _____



4 $\frac{1}{2} \div \frac{1}{8} =$ _____



Divide. Write the quotient in simplest form.

5 $\frac{1}{9} \div \frac{4}{5} =$ _____

6 $\frac{1}{4} \div \frac{7}{10} =$ _____

7 $\frac{5}{8} \div \frac{2}{7} =$ _____

8 $\frac{4}{6} \div \frac{5}{6} =$ _____

9 $\frac{7}{10} \div \frac{1}{2} =$ _____

10 $\frac{5}{7} \div \frac{4}{9} =$ _____

Solve. Write the quotient in simplest form.

11 **SCHOOL** The middle school has reserved 4 school buses for a field trip to the museum. Only $\frac{2}{7}$ of the students are going on the field trip. If there is an equal number of students on each bus, what fraction of middle school students will be on each bus?

12 **PUZZLES** Cora put together $\frac{3}{4}$ of a jigsaw puzzle. She has been working on the puzzle for 6 days. How much of the puzzle did she complete each day? _____

Write the vocabulary word that completes the sentence.

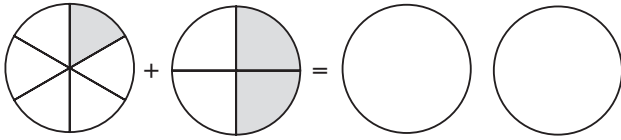
13 A fraction made from another fraction by switching the numerator and denominator is the _____ of that fraction.

14 A _____ is the number that is being divided.

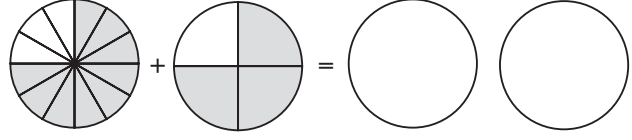
Practice: Skills, Concepts, and Problem Solving

Add using models. Write each sum in simplest form.

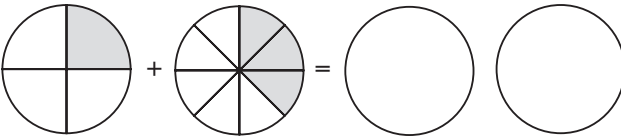
1 $\frac{1}{6} + \frac{2}{4} =$ _____



2 $\frac{9}{12} + \frac{3}{4} =$ _____



3 $\frac{1}{4} + \frac{3}{8} =$ _____



Add. Write each sum in simplest form.

4 $\frac{4}{12} + \frac{3}{6} =$ _____

5 $\frac{1}{7} + \frac{3}{4} =$ _____

6 $\frac{2}{5} + \frac{1}{9} =$ _____

7 $\frac{3}{12} + \frac{4}{5} =$ _____

8 $\frac{2}{6} + \frac{4}{5} =$ _____

9 $\frac{3}{6} + \frac{1}{12} =$ _____

Solve.

- 10 **FASHION** Shada is mixing colors to dye fabric. She wants to mix $\frac{3}{5}$ of a quart of red with $\frac{1}{4}$ of a quart of blue, to make purple. How much purple dye will Shada make?

- 11 **DINNER** Yo has a recipe which requires at least $1\frac{1}{2}$ pounds of salmon. She bought 2 salmon fillets, one weighing $\frac{5}{8}$ of a pound and the other weighing $\frac{8}{9}$ of a pound. How much salmon did Yo buy? Does she have enough for her recipe?

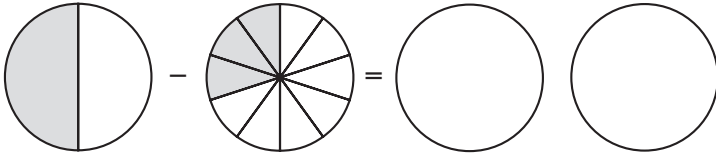
Write the vocabulary word(s) that completes each sentence.

- 12 Fractions with different denominators are called _____.
- 13 _____ is a way of expressing a composite number as a product of its prime factors.

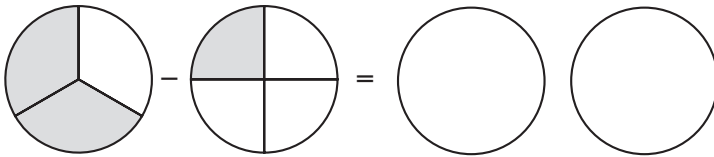
Practice: Skills, Concepts, and Problem Solving

Subtract using models. Write each difference in simplest form.

1 $\frac{1}{2} - \frac{3}{10} =$ _____



2 $\frac{2}{3} - \frac{1}{4} =$ _____



Subtract. Write each difference in simplest form.

4 $\frac{3}{7} - \frac{2}{5} =$ _____

5 $\frac{4}{5} - \frac{1}{3} =$ _____

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

7 $\frac{5}{9} - \frac{2}{6} =$ _____

8 $\frac{2}{3} - \frac{3}{5} =$ _____

9 $\frac{8}{9} - \frac{4}{5} =$ _____

Solve.

- 10 **POOLS** Mingan is draining his pool. When he began, the pool was $\frac{3}{4}$ full of water. After an hour the pool is $\frac{1}{5}$ full of water. What fraction of the pool water has drained out over the first hour?

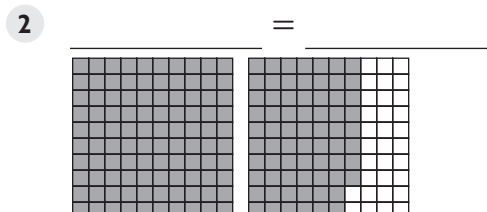
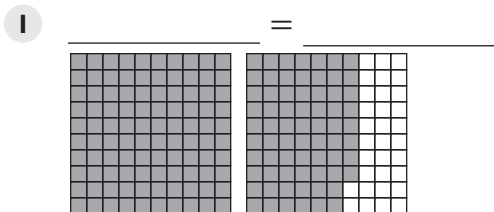
- 11 **INTERIOR DESIGN** Marisa painted her room periwinkle blue. She started with $\frac{9}{10}$ gallon of paint. After she was finished, she had $\frac{1}{5}$ gallon left over. How much paint did Marisa use?

Write the vocabulary word(s) that completes the sentence.

- 12 _____ is a way of expressing a composite number as a product of its prime factors.

Practice: Skills, Concepts, and Problem Solving

Write a decimal and a fraction in simplest form for each model.



Write each number as a decimal.

- 3 two and thirty-six hundredths _____
 4 ninety-four and nine hundredths _____
 5 twelve and four tenths _____

Write each number in word format.

- 6 63.19 _____
 7 5.8 _____
 8 21.24 _____

Write the value of each red digit.

- 9 39. 8 _____ 10 41.5 _____
 11 24.1 _____ 12 83. 6 _____

Solve.

- 13 **SWIMMING** Khalid is a competitive swimmer. His best time in the backstroke is 32.34 seconds. At the meet on Saturday, he raced and got a time of 31.97 seconds. Did Khalid beat his best time? If so, by how many hundredths of a second?

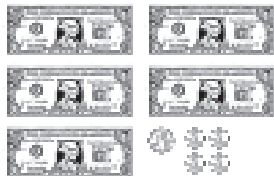
Write the vocabulary word(s) that completes each sentence.

- 14 One of ten equal parts is called a(n) _____. One of one hundred equal parts is called a(n) _____ .
 15 A(n) _____ is a number that represents whole numbers and fractions.
 A(n) _____ separates the whole number from the fraction.

Practice: Skills, Concepts, and Problem Solving

Write a decimal for the amount shown.

1 _____



2 _____



Represent each amount using the least number of bills and coins possible.

3 \$12.48 _____

4 \$3.09 _____

5 \$7.93 _____

6 \$10.22 _____

7 \$1.06 _____

8 \$6.51 _____

Represent each amount with the most number of bills and coins possible.

9 \$5.67 _____

10 \$9.01 _____

11 \$11.83 _____

Solve.

12 **SNACKS** Vara wants to buy a snack at the store. She finds granola bars on sale for 3 for \$6.99 and yogurt bars on sale for 2 for \$5.00. Which snack is less expensive? _____

13 **HARDWARE** Amit spent \$38.42 at the hardware store. He gave the sales clerk two 20-dollar bills. What change will Amit get if the clerk gives him back the least number of bills and coins possible? _____

Write the vocabulary word that completes the sentence.

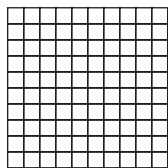
14 A(n) _____ is a number that represents whole numbers and fractions.

15 One, five, ten, and twenty are _____ of dollar bills in our money system.

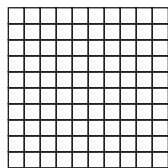
Practice: Skills, Concepts, and Problem Solving

Compare each pair of decimals using models. Write a statement using $<$, $=$, or $>$.

1 0.12 and 0.21

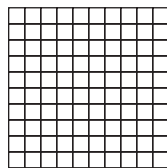


0.12

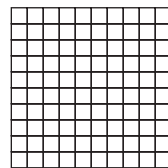


0.21

2 0.44 and 0.4



0.44



0.4

Compare each set of decimals using place value. Write a statement using $<$, $=$, or $>$.

3 21.78 \bigcirc 21.08

4 10.6 \bigcirc 10.17

5 5.24 \bigcirc 5.42

6 29.5 \bigcirc 29.50

Write the numbers in order from least to greatest.

7 11.6 , 10.2 , 10.05 , 11.07

8 63.54 , 65.32 , 58.62 , 56.24

Solve.

- 9 **HEALTHCARE** A nurse is monitoring Lian's temperature. If it spikes over 104.5°F , she needs to page the doctor. Lian's chart lists the last four readings as 102.5°F , 104.1°F , 103.7°F , and 102.9°F . Does the nurse need to call the doctor?

- 10 **STOCK MARKET** Nita follows the stock market. It has continued to go up for the past five days. On Monday, the market increased 12.5 points; on Tuesday, 37.8 points; on Wednesday, 11.7 points; on Thursday, 37.2 points; and on Friday, 22.5 points. Which day did the market go up the most? Which day did it go up the least?

Write the vocabulary word that completes the sentence.

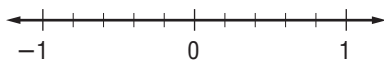
- 11 A(n) _____ is a number that represents whole numbers and fractions.

- 12 The first number to the right of a decimal point is in the _____ place.

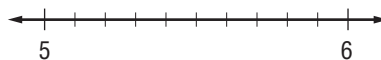
Practice: Skills, Concepts, and Problem Solving

Order the numbers from least to greatest on a number line.

1 $\frac{3}{10}$, 0.03, $\frac{-32}{100}$



2 5.03, $5\frac{3}{10}$, 5.40



Order the numbers from least to greatest.

3 0.36 , $\frac{32}{100}$, $\frac{4}{10}$ _____

4 $\frac{-86}{100}$, 0.40, $\frac{92}{100}$ _____

5 1.54, 1.36, $1\frac{4}{100}$ _____

6 -0.23, $\frac{-1}{4}$, -0.8 _____

Order the numbers from greatest to least.

7 0.1, $\frac{1}{100}$, $\frac{3}{10}$ _____

8 $\frac{54}{100}$, 0.48, -0.49 _____

9 $1\frac{5}{10}$, $\frac{7}{10}$, 1.6 _____

10 $\frac{30}{100}$, $\frac{2}{10}$, 0.26 _____

Solve.

- 11 **ELECTRICITY** Candace is testing electric circuit boards. The circuits need to measure between $4\frac{1}{2}$ and 5 volts. She gets readings of 4.81 volts, 4.97 volts, 4.71 volts, 4.45 volts, and 4.92 volts. Are any of the circuits out of the required range? If so, which ones?
- _____

- 12 **FOOTBALL** Nick wants to know what the highest rating is for the quarterbacks in his division. The ratings are $100\frac{1}{2}$, 101.6, $101\frac{3}{4}$, 98.5, and 82.1. What is the highest rating?
- _____

Practice: Skills, Concepts, and Problem Solving

Add using decimal models.

1 $1.05 + 1.27 =$ _____

2 $0.96 + 1.25 =$ _____

Find each sum.

3
$$\begin{array}{r} 35.29 \\ +16.54 \\ \hline \end{array}$$

4
$$\begin{array}{r} 28.76 \\ + 1.05 \\ \hline \end{array}$$

5
$$\begin{array}{r} 63.47 \\ +59.38 \\ \hline \end{array}$$

6 $4.35 + 0.84 =$ _____

7 $15.6 + 2.03 =$ _____

8 $7.49 + 1.27 =$ _____

9 $3.02 + 8.72 =$ _____

10 $9.18 + 6.4 =$ _____

11 $11.65 + 5.39 =$ _____

Solve.

- 12 **NUTRITION** Neil is keeping track of his fat consumption for his Health class. On Wednesday, he ate 3.8 grams of fat at breakfast, 16.1 grams of fat at lunch, and 21.3 grams of fat at dinner. How many grams of fat did Neil consume on Wednesday?
- _____

- 13 **LANDSCAPING** Pilan used 1.7 gallons of gas to mow lawns on Saturday, and 0.6 gallons of gas to mow lawns on Sunday. How many gallons of gas did Pilan use this weekend?
- _____

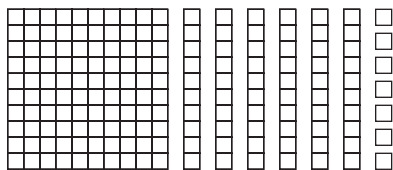
Write the vocabulary word that completes the sentence.

- 14 The first number to the right of a decimal point is the _____ place and the second number to the right is the _____ place.
- 15 A _____ is a number that represents whole numbers and fractions.
A _____ separates the whole number from the fraction.

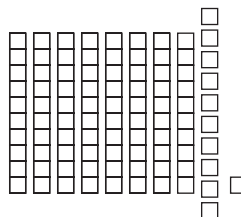
Practice: Skills, Concepts, and Problem Solving

Subtract using decimal models.

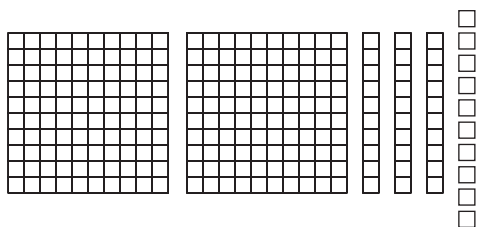
1 $1.67 - 0.52 =$ _____



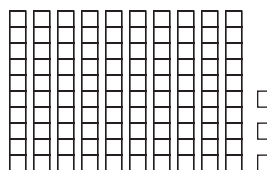
2 $0.91 - 0.43 =$ _____



3 $2.4 - 1.26 =$ _____



4 $1.03 - 0.72 =$ _____



Subtract.

5 $25.17 - 13.28 =$ _____

6 $8.65 - 2.14 =$ _____

7 $6.08 - 2.4 =$ _____

8 $13.47 - 5.49 =$ _____

9
$$\begin{array}{r} \$8.42 \\ - \$7.31 \\ \hline \end{array}$$

10
$$\begin{array}{r} 16.21 \\ - 11.47 \\ \hline \end{array}$$

11
$$\begin{array}{r} 6.54 \\ - 4.87 \\ \hline \end{array}$$

12
$$\begin{array}{r} \$12.40 \\ - \$ 3.16 \\ \hline \end{array}$$

Solve.

- 13 **GEOGRAPHY** The size of the North American continent is approximately 24.26 million square kilometers. The size of the South American continent is approximately 17.82 million square kilometers. How much larger is North America than South America?
- _____

Write the vocabulary word that completes the sentence.

- 14 Using place value to exchange equal amounts when renaming a number is called _____.

Practice: Skills, Concepts, and Problem Solving

Who is Correct?

- 1 Find 0.37×0.2 . Who is correct? _____

Bart

$$\begin{array}{r} 1 \\ 0.37 \\ \times 0.2 \\ \hline 0.074 \end{array}$$

Manuela

$$\begin{array}{r} 1 \\ 0.37 \\ \times 0.2 \\ \hline 0.74 \end{array}$$

Nelia

$$\begin{array}{r} 0.37 \\ \times 0.2 \\ \hline 0.064 \end{array}$$

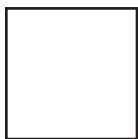
Multiply.

- 2 $2.17 \times 0.004 =$ _____
- 3 $5 \times \$7.03 =$ _____
- 4 $0.28 \times 0.07 =$ _____
- 5 $\$26.12 \times 3.5 =$ _____

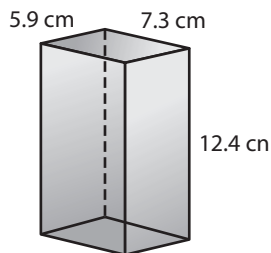
Solve.

- 6 **GEOMETRY** The area of a square is found using the formula $A = s^2$ where A is the area of the square and s is the length of a side of the square. What is the area of this square?

4.9 in.



- 7 **GEOMETRY** The volume of a rectangular prism is found using the formula $V = l \times w \times h$, where V is the volume of the prism and l , w , and h are the length, width, and height of the prism. What is the volume of this rectangular prism?



Write the vocabulary word that completes the sentence.

- 8 A number that divides a whole number evenly is called a _____.
- 9 A(n) _____ is a number that indicates how many times a number or expression is to be multiplied by itself.

Practice: Skills, Concepts, and Problem Solving

Divide. Place the decimal by estimation.

1 $3.7 \overline{)6.364}$

$3.7 \approx$ _____

$6.364 \approx$ _____

Estimate \approx _____

2 $2.1 \overline{)32.928}$

$2.1 \approx$ _____

$32.928 \approx$ _____

Estimate \approx _____

Divide. Multiply to make the divisor a whole number. Round to nearest hundredth as needed.

3 $0.08 \overline{)0.552}$

4 $0.85 \overline{)34}$

5 $0.5 \overline{)13.4}$

6 $1.6 \overline{)5.73}$

7 $0.4 \overline{)3}$

8 $0.26 \overline{)2.08}$

Solve.

- 9 **SPEED** Average speed can be found by dividing the number of miles driven by the time it took to drive those miles. Rajev drove 346.5 miles in 5.25 hours. What was his average speed? _____

- 10 **WATER** Vanessa purchased a bottle of water for \$1.09 at a market. The bottle is 0.75 liters, or 25.4 ounces. What is the unit price for 1 ounce of this water?

Write the vocabulary word that completes the sentence.

- 11 A number that is being divided is called the _____.
- 12 The number by which the dividend is being divided is called the _____.

Practice: Skills, Concepts, and Problem Solving

Perform the indicated operation.

1 $18.96 \div -2.4 =$ _____

2 $-6.74 - (-18.3) =$ _____

3 $\frac{-3}{5} + -2\frac{1}{2} =$ _____

4 $\frac{-7}{9} \times -1\frac{7}{20} =$ _____

5 $0.38 - \frac{3}{4} =$ _____

6 $0.008 \times -2.65 =$ _____

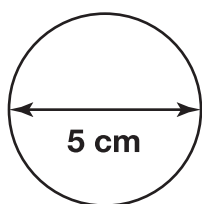
7 $-1\frac{1}{6} \div \frac{3}{2} =$ _____

8 $-1.2 + -4.73 =$ _____

Solve. Name the operation you used. Round to the nearest hundredth if needed.

- 9 **TEMPERATURE** The formula to convert a Kelvin temperature to its Celsius equivalent is $^{\circ}\text{C} = K - 273$, where $^{\circ}\text{C}$ is the Celsius temperature in degrees and K is Kelvin temperature in Kelvins. A thermometer shows 251 K as the temperature. Convert the Kelvin temperature to its Celsius equivalent.
- _____

- 10 **GEOMETRY** The circumference of a circle is found using the formula $C = \pi \times d$, where C is the circumference (distance around the circle), π is a constant with a value approximately equal to 3.14, and d is the diameter (distance across the circle through the center). What is the circumference of this circle?



Write the word that completes the sentence.

- 11 A number with a positive or negative sign in front of it is called a _____ number.
- 12 When solving word problems, especially those that involve fractions and decimals, you should use _____ to be sure that your answer is reasonable.