

Whole Numbers and Two-Place Decimals

A decimal with one digit after the decimal point is a one-place decimal.

One-place decimals show tenths, or wholes and tenths together.
Here are some examples:

0 wholes and 2 of 10 equal parts



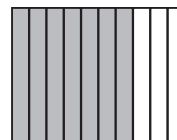
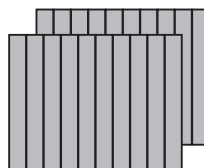
$\frac{2}{10}$ or 0.2

Say "two-tenths."

2 wholes and 7 of 10 equal parts

$2\frac{7}{10}$ or 2.7

Say "two and seventh-tenths."



Use *and* for the decimal point.

A decimal with two digits after the decimal point is a two-place decimal.

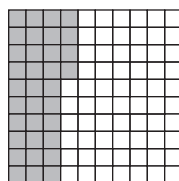
Two-place decimals show hundredths, or wholes and hundredths together.

Study these examples:

0 wholes, 34 hundredths

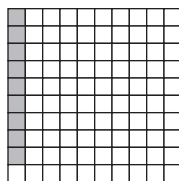
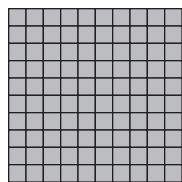
$\frac{34}{100}$ or 0.34

Say "thirty-four hundredths."



The
oceans
contain 97%
of the earth's
water.

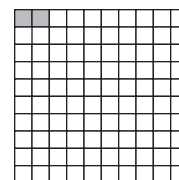
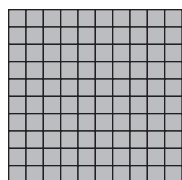
1 whole and 9 hundredths



$$1\frac{9}{100} \text{ or } 1.09$$

Say "one and nine-hundredths."

1 whole and 2 hundredths



$$1\frac{2}{100} \text{ or } 1.02$$

Say "one and two-hundredths."

Write the decimals.

1. five-hundredths _____
2. four-tenths _____
3. twelve and five-tenths _____
4. two and twenty-eight hundredths _____
5. eighty-four hundredths _____
6. six and two-tenths _____

Write the words for these decimals.

7. 1.55 _____
8. 0.06 _____
9. 0.1 _____

Write the decimal for the words used in the sentence.

10. Sean can carry eight and six-tenths kilograms in his backpack.



Rounding to the Nearest Dollar

Rounding to the nearest dollar is almost like rounding to the nearest hundred. First look at the cents. When it is 50¢ or more, round to the next higher dollar. If it is less than 50¢, keep the dollar amount the same.

\$1.29 rounds to \$1.00 because 29¢ is less than 50¢.

\$1.69 rounds to \$2.00 because 69¢ is more than 50¢.

Lesson 2

Round to the nearest dollar. One is done for you.

11. a. \$1.85 \$2.00 b. \$7.37 _____ c. \$4.62 _____

12. a. \$3.29 _____ b. \$1.91 _____ c. \$6.70 _____



We Remember

Find these digit sums. Remember to use the shortcut when you can.

13. a. The digit sum of 918 is _____. b. The digit sum of 45 is _____.

14. a. The digit sum of 235 is _____. b. The digit sum of 172 is _____.

Write the parts of a division problem.

15. _____
$$\begin{array}{r} 47 \\ 2 \overline{)94} \end{array}$$
 16. _____
17. _____

Tell how many.

18. a. 1 gal = _____ qt b. 9 gal = _____ qt c. _____ qt = 4 gal

19. a. _____ yards = 30 feet b. 15 feet = _____ yards c. _____ yd = 21 ft

20. a. _____ cm = 7 m b. 15 m = _____ cm c. _____ cm = 6 m

- 21.** Thirty-six people were at Sean and Bridget's church on Sunday. Five of those who attended church were girls from Bridget's school. What fraction of the people at church were girls from Bridget's school?

_____ of the people

- 22.** One-fourth of the 36 people who came to church rode on bicycles. How many people traveled to church on bicycles?



My Work Space

Skill Builders $+$ $-$ $\times$ $\div$

			2 . 2
			4 . 1
			3 . 7
			6 . 0
23. a. $\begin{array}{r} \$10.00 \\ - 3.42 \\ \hline \end{array}$	b. $\begin{array}{r} 28 \\ \times 7 \\ \hline \end{array}$	c. $\begin{array}{r} \$4.05 \\ \times 8 \\ \hline \end{array}$	d. $\begin{array}{r} 2.2 \\ 4.1 \\ 3.7 \\ 6.0 \\ + 5.5 \\ \hline \end{array}$

24. a. $4 \overline{)33}$

b. $6 \overline{)44}$

Check



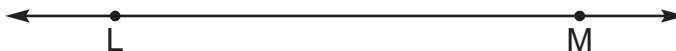
c. $\frac{5}{8} + \frac{3}{8} = \underline{\hspace{2cm}}$

d. $\frac{4}{10} + \frac{7}{10} = \underline{\hspace{2cm}}$

Any line with two points labeled also shows two rays and a line segment. Name the line, the line segment, and the ray that points to the left. Use the symbols.

25. Line _____

26. Line Segment _____



27. Ray _____

Tell how many.

28. *Centi* means divided into _____ parts and *milli* means divided into _____ parts.

Count by 12's to 144.

29. _____

Fact Focus

30. $48 \div 8 = \underline{\hspace{2cm}}$

$24 \div 8 = \underline{\hspace{2cm}}$

$64 \div 8 = \underline{\hspace{2cm}}$

31. $32 \div 8 = \underline{\hspace{2cm}}$

$72 \div 8 = \underline{\hspace{2cm}}$

$56 \div 8 = \underline{\hspace{2cm}}$

Mental Math . . . ?

32. a. $34 + 27 =$ _____

b. $63 + 48 =$ _____

c. $14 + 3 =$ _____

33. a. $26 + 3 =$ _____

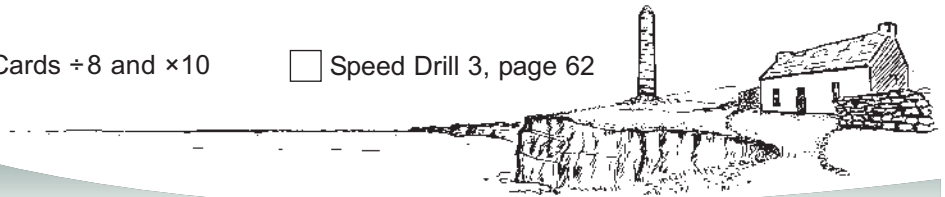
b. double 27 = _____

c. double 25 = _____

3

☐ Flash Cards $\div 8$ and $\times 10$

☐ Speed Drill 3, page 62

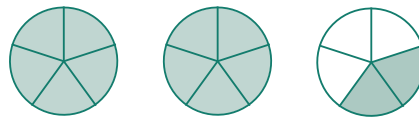


Mixed Numbers and Improper Fractions

You have learned that a mixed number is a whole number and a fraction together.

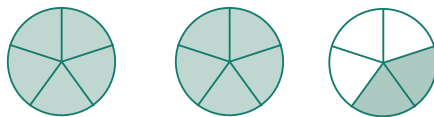
Two circles are full.

The other circle is $\frac{2}{5}$ full.



The mixed number is $2\frac{2}{5}$.

We can also change mixed numbers to improper fractions.



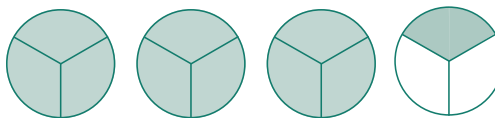
$$\frac{5}{5} + \frac{5}{5} + \frac{2}{5} = \frac{12}{5}$$

The improper fraction is $\frac{12}{5}$.

Write a mixed number and an improper fraction for each picture.

1. a. _____

b. _____



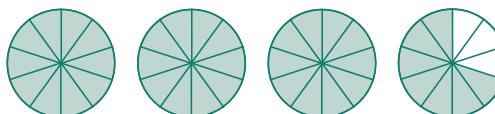
2. a. _____

b. _____



3. a. _____

b. _____



Write a whole number and an improper fraction for each picture.

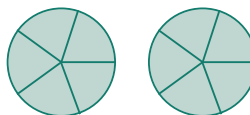
4. a. _____

b. _____



5. a. _____

b. _____



Color the circles to show $2\frac{4}{5}$, then write an improper fraction.

6. _____



—  **We Remember** _____

Write the factors of 9.

7. _____

Lesson 3

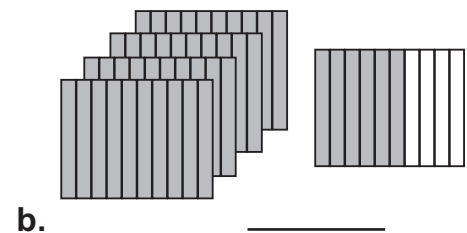
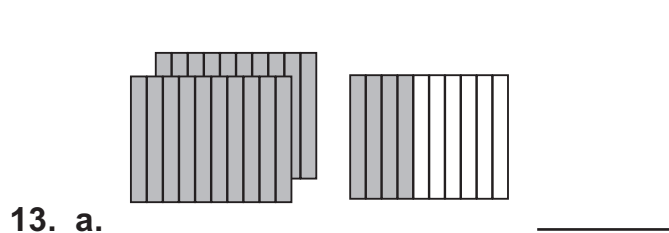
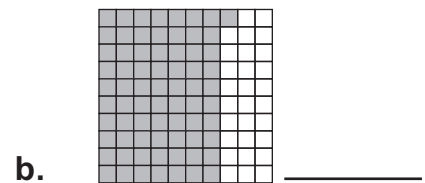
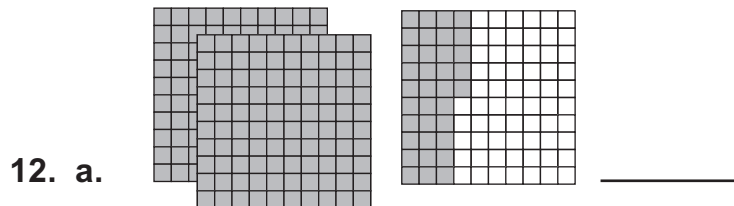
8. The River Shannon is the longest river in Ireland. It is 386 km long. River Liffey is 121 km long. How much longer is the River Shannon?
- _____

My Work Space

Write the following fractions. Then circle the improper fractions.

9. Denominator - 3 Numerator - *double the denominator* _____
10. Seven-sevenths _____
- △ 11. Numerator - *one half of 4* Denominator - *your age* _____

Write the decimal for each picture.



Measure the line segment to the nearest inch and centimeter.

14. about _____ inches
15. about _____ centimeters

— Skill Builders $+$ $-$ $\times$ $\div$ —

16. a.
$$\begin{array}{r} 207 \\ \times 5 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 207 \\ - 148 \\ \hline \end{array}$$

c. $\frac{5}{16} - \frac{4}{16} = \underline{\hspace{2cm}}$

d. $\frac{3}{5} + \frac{3}{5} = \underline{\hspace{2cm}}$

17. a.
$$\begin{array}{r} 3.2 \\ 15.4 \\ + 7.5 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 289 \\ - 148 \\ \hline \end{array}$$

c.
$$\begin{array}{r} \frac{12}{24} \\ + \frac{12}{24} \\ \hline \end{array}$$

d.
$$\begin{array}{r} 6.7 \\ - 0.9 \\ \hline \end{array}$$

e.
$$\begin{array}{r} \$27.85 \\ + 23.56 \\ \hline \end{array}$$

18. a. $3 \overline{)28}$

b. $6 \overline{)27}$

Check

c. $4 \overline{)38}$

Check

Write numbers from the Skill Builders section above.

19. Write the improper fraction that equals one. $\underline{\hspace{2cm}}$

20. Write the other improper fraction. $\underline{\hspace{2cm}}$

21. Write the five proper fractions. $\underline{\hspace{1cm}} \underline{\hspace{1cm}} \underline{\hspace{1cm}} \underline{\hspace{1cm}} \underline{\hspace{1cm}}$

Find these digit sums. Remember to cross out 9's where you can.

22. a. The digit sum of 46 is $\underline{\hspace{2cm}}$.

b. The digit sum of 25,110 is $\underline{\hspace{2cm}}$.

23. a. The digit sum of 481 is $\underline{\hspace{2cm}}$.

b. The digit sum of 136 is $\underline{\hspace{2cm}}$.

Show that you know how to read this number by writing it with words.

24. 1,046,500 is $\underline{\hspace{10cm}}$
 $\underline{\hspace{10cm}}$

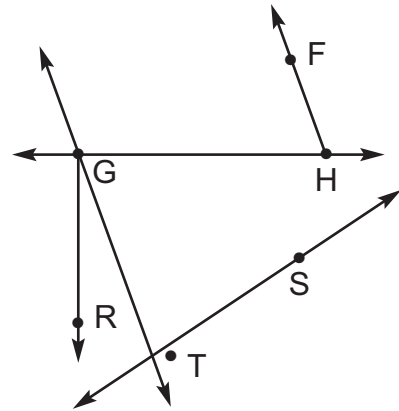
Lesson 3

Use letters and symbols to name these.

25. Name the ray that is perpendicular to $\overrightarrow{GH}$. _____

26. Name the line that is parallel to $\overrightarrow{HF}$. _____

27. Name the line that intersects $\overline{TS}$. _____



Tell how many.

28. a. _____ yd = 24 ft

b. 30 ft = _____ yd

c. _____ yd = 18 ft

29. a. _____ ft = 30 yd

b. 3 yd = _____ ft

c. _____ ft = 9 yd

Answer the questions.

30. If the radius of a circle is 9 inches, what is the diameter? _____ inches

31. If the diameter of a circle is 20 inches, what is the radius? _____ inches

Put the commas in the numbers.

32. a. 4 5 6 1 2 3 0 5 0

b. 4 0 0 0 2 4 0 0

A single
liter of sea-
water contains
about 35 g
of salt.

Round to the nearest dollar to answer the question.

33. You want to buy a book for your sister's birthday. It costs \$8.59. You have no change, only dollar bills. How much will you hand to the clerk? _____

Fact Focus

34. $24 \div 8 =$ _____

$56 \div 8 =$ _____

$72 \div 8 =$ _____

35. $48 \div 8 =$ _____

$64 \div 8 =$ _____

$32 \div 8 =$ _____