



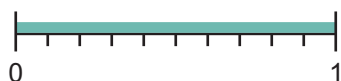
- ☐ Count by 7's to 70.
- ☐ Practice your K and ×4 flash cards for 5 minutes.
- ☐ Do Speed Drill 2 on page 61.
- ☐ Record your score in the graph on page 60.

What Is a Decimal?

A decimal is a special kind of fraction that shows tenths.

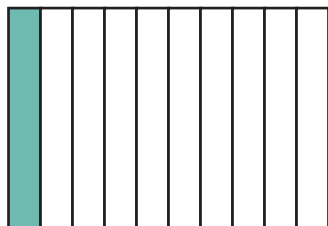


$$\frac{10}{10} = 1$$



From 0 to 1 is 1 whole.

This shows one-tenth of a whole.



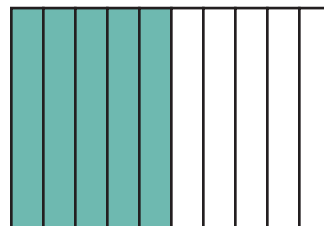
$$\frac{1}{10} \text{ or } 0.1$$



From 0 to the first mark is $\frac{1}{10}$ or 0.1.

We read both $\frac{1}{10}$ and 0.1 as "one-tenth."

This shows five-tenths of a whole.



$$\frac{5}{10} \text{ or } 0.5$$

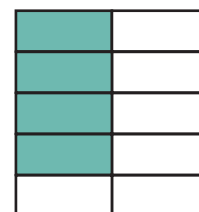
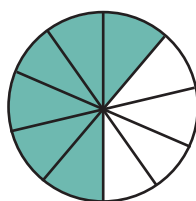
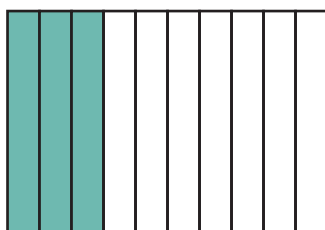


From 0 to the fifth mark is $\frac{5}{10}$ or 0.5.

We read both $\frac{5}{10}$ and 0.5 as "five-tenths."

0.1 and 0.5 are decimals. The . is a decimal point.
Decimal points separate whole numbers from decimal fractions.

Write the fraction and the decimal that show how much is shaded.



1. Fraction _____

3. Fraction _____

5. Fraction _____

2. Decimal _____

4. Decimal _____

6. Decimal _____

Write the decimal shown by each strip.



7. _____

△ Read the decimals aloud to your teacher.



We Remember

Solve. Check the last one.

8.

$$\begin{array}{r} 4,682 \\ + 1,243 \\ \hline \end{array}$$

$$\begin{array}{r} 8,465 \\ - 2,143 \\ \hline \end{array}$$

$$\begin{array}{r} \$72.57 \\ + 66.98 \\ \hline \end{array}$$

$$\begin{array}{r} 903 \\ - 804 \\ \hline \end{array}$$

$$\begin{array}{r} 689 \\ 21 \\ + 503 \\ \hline \end{array}$$

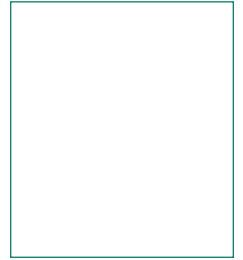
Lesson 2



9. “Did you know that Queenie could live another 23 years?” asked Judith.

“Yes,” James replied, “dogs can live to be 30 years old.”
How old is Queenie now?

Solution



$+$ joining

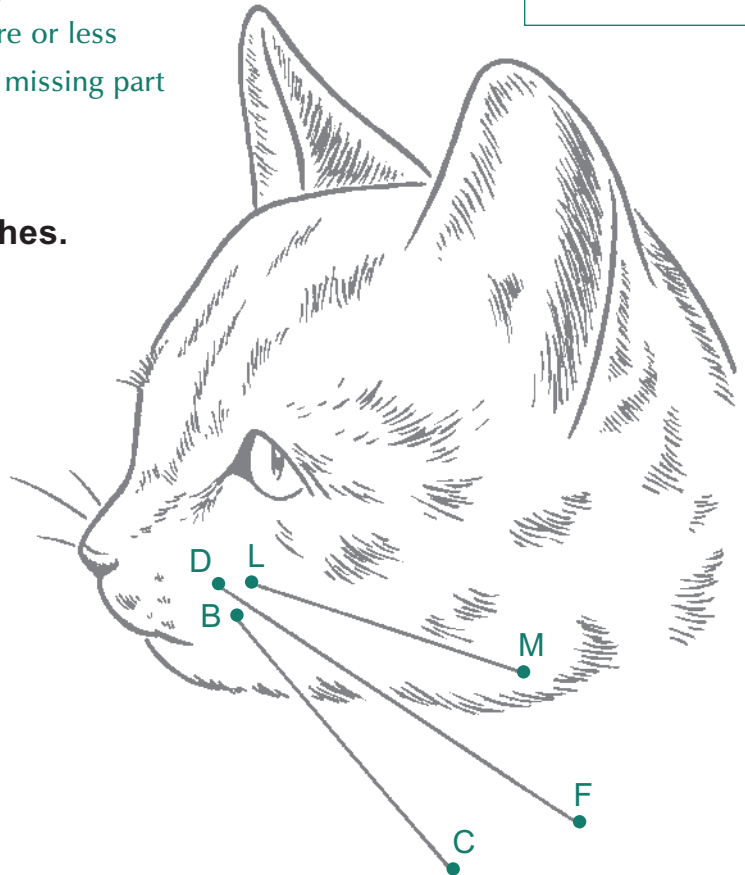
$-$ taking away
finding more or less
finding the missing part

Measure Fluffy’s whiskers with inches.

10. line segment LM _____ in

11. line segment DF _____ in

12. line segment BC _____ in



Find the number of feet.

13. 6 yards = _____ feet

14. 2 yards = _____ feet

15. 3 yards = _____ feet

16. 9 yards = _____ feet

Count by fourths from 2 to $3\frac{3}{4}$.

17. _____

Order the fractions from smallest to largest. $\frac{1}{2}$ $\frac{1}{9}$ $\frac{1}{3}$ $\frac{1}{5}$ $\frac{1}{7}$

18. _____

Mental Math . . . ?

19. $40 + 48 =$ _____ $65 - 30 =$ _____ $43 + 2 =$ _____

20. $19 - 8 =$ _____ double 34 = _____ $56 + 3 =$ _____

Fill in the blanks.

21. _____ cups = 1 pint

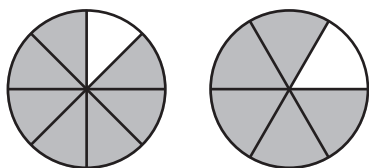
23. _____ ft = 1 yd

22. 1 tbsp = _____ tsp

24. _____ mm = 1 m

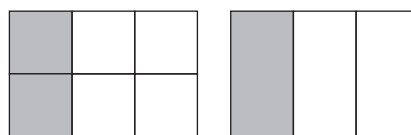
Write the fractions. Write = or $\neq$.

25.



_____ ☐ _____

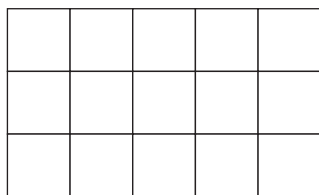
26.



_____ ☐ _____

Find the area.

27.



Fill in the blanks.

28. In $\frac{4}{10}$, _____ is the denominator
and _____ is the numerator.

Cats have two sets of vocal cords.
The top one “meows” and the
bottom one “purrs.”

Fact Focus

29. $\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ \times 1 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$

3



- ☐ Count by 7's to 70.
- ☐ Practice your L and ×4 flash cards for 5 minutes.
- ☐ Do Speed Drill 3 on page 62.
- ☐ Record your score in the graph on page 60.

Measuring Capacity

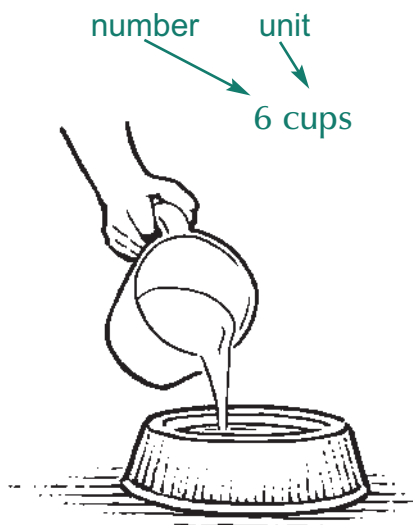
Two Measurement Systems

Measuring how much a container holds is measuring capacity (kə • pǎ' • sə • tē).

The United States uses teaspoons, tablespoons, cups, pints, quarts, and gallons to measure capacity. Other countries use milliliters (mi • lə • lē' • tərz) and liters (lē' • tərz) to measure capacity. Liter measures are part of the metric system.

A measurement is a number followed by a unit.

Measures of Capacity



A unit of capacity is always the same amount. A cup is a unit of capacity, so a cup always measures the same amount. A liter is a unit of capacity, so a liter always measures the same amount.

Lesson 3

In the U.S. system of measurement, there are six commonly used units of capacity. They are teaspoon, tablespoon, cup, pint, quart, and gallon.



1 teaspoon (tsp)



1 tablespoon (tbsp)



1 cup (c)



1 pint (pt)



1 quart (qt)



1 gallon (gal)

3 tsp = 1 tbsp

2 c = 1 pt

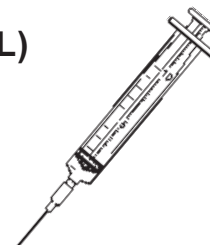
2 pt = 1 qt

4 c = 1 qt

4 qt = 1 gal

In the metric system of measurement, there are two commonly used units of capacity. They are milliliter and liter.

1 milliliter (mL)



1 liter (L)



1,000 mL = 1 L

Choose a sensible U.S. unit of capacity for measuring.

- | | | | |
|---------------------------------------|------|-----|------|
| 1. flour to bake bread | tsp | c | qt |
| 2. can of paint | tsp | gal | tbsp |
| 3. cough syrup for little brother | tsp | gal | qt |
| 4. amount of corn Mother might freeze | tbsp | tsp | qt |
| 5. amount of butter in cake frosting | qt | pt | tbsp |

Lesson 3

Choose a sensible metric unit of capacity for measuring.

- | | | |
|--|----|---|
| 6. the amount of water in a cooler | mL | L |
| 7. medicine for a sick baby | mL | L |
| 8. the amount of water a bucket holds | mL | L |
| 9. amount of food coloring in frosting | mL | L |
| 10. a jug of milk | mL | L |



We Remember

Measure the line in mm. Circle the correct measurement.

Then rewrite it in cm.

11. 
- 25 mm 30 mm 21 mm _____ cm

Find the sums and differences.

- 12.
- | | | | | |
|--|--|--|--|--|
| $\begin{array}{r} 489 \\ -192 \\ \hline \end{array}$ | $\begin{array}{r} 682 \\ -431 \\ \hline \end{array}$ | $\begin{array}{r} 29 \\ +32 \\ \hline \end{array}$ | $\begin{array}{r} 644 \\ +769 \\ \hline \end{array}$ | $\begin{array}{r} 326 \\ 597 \\ +15 \\ \hline \end{array}$ |
|--|--|--|--|--|

Finish writing the multiples of 7.

13. 7 _____ _____ _____ _____ _____ _____ _____



14. How many whiskers does your cat have? Fluffy has 4 rows of whiskers with 7 whiskers in each row. How many whiskers does Fluffy have?



joining



joining equal groups

Solution



15. Queenie has been penned for 125 days since she was bitten by a raccoon that had rabies. According to Dr. Taylor, Queenie will have to stay in her pen for another 90 days. If she doesn't get rabies by then, she may be set free. How many days all together must Queenie stay in her pen?

$+$ joining

$-$ taking away
finding more or less
finding the missing part

Find the number of feet.

16. 4 yards = _____ feet

18. 8 yards = _____ feet

17. 5 yards = _____ feet

19. 7 yards = _____ feet

Continue the time pattern.

20. 9:20 9:40 10:00 10:20 _____

Write the tens that come before and after. Circle the ten that is nearer.

21. _____ 35 _____ _____ 54 _____ _____ 85 _____

Write the decimal that matches the fraction.

Fraction $\frac{8}{10}$

Fraction $\frac{3}{10}$

Fraction $\frac{5}{10}$

22. Decimal _____

23. Decimal _____

24. Decimal _____

Fact Focus

25. $\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$ $\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$