CHAPTER 15  Customary Length, Weight, and Capacity

Worksheet 1  Measuring Length

Complete.

1.

The eraser is about ________ inches long.

2.

The pen is about ________ inches long.

3.

The spoon is ________ inches long.

These rulers are smaller than in real life.
Measure each line segment to the nearest inch.

Example

The length of line segment A is nearer to 3 inches than to 4 inches. So, the length of line segment A is about 3 inches.

Line segment A is about 3 inches.

4.

Line segment B is about ________ inches.

5.

Line segment C is about ________ inches.

These rulers are smaller than in real life.
6. The leaf is about ______ inches long.

7. The bracelet is about ______ inches long.

Fill in the blanks.

8. There are ______ divisions in each inch.

9. The arrow is pointing to ______ inch.
Complete.

10. 

The keychain is about _______ inches long.

Measure the length of each object to the nearest half-inch.

Example

The leaf is more than _______ inches but less than _______ inches.

It is nearer to _______ inches than _______ inches.

The leaf is _______ inches to the nearest half-inch.
11. The card is more than _______ inches but less than _______ inches.

   It is nearer to _______ inches than _______ inches.

   The card is _______ inches to the nearest half-inch.

12. The pencil case is more than _______ inches but less than _______ inches.

   It is nearer to _______ inches than _______ inches.

   The pencil case is _______ inches to the nearest half-inch.
Measure each rope to the nearest half-inch.

Example

Rope A

The length of Rope A is nearer to $2\frac{1}{2}$ inches than 2 inches. So, the length of Rope A is $2\frac{1}{2}$ inches to the nearest half-inch.

Rope A is about $2\frac{1}{2}$ inches.

13.

Rope B

Rope B is about _______ inches.

14.

Rope C

These rulers are smaller than in real life.

Rope C is about _______ inches.
Fill in the blanks.

15. The shoe is about _________ inches.

1 foot (ft) = _________ inches (in.)

16. Which is longer, 12 feet or 12 inches?

12 ___________ is longer than 12 ___________.

Measure the length of each object.

Example

The length of the stick is _______ feet long.
17. The height of the table is ________ feet.

18. The length of the broom stick is ________ feet.

Measure the length of each object to the nearest foot.

Example

The length of the table is about ________ feet.
The height of the book shelf is about ________ feet.

Complete.

20. Which of the following is correct? ________
   
   a) 1 yard = 3 feet  
   b) 1 foot = 12 yards  
   c) 1 inch = 3 yards  
   d) 12 yards = 1 foot

Compare the distances. 
Then fill in the blanks.

7 feet    7 inches    7 yards

21. ________ is the longest.

22. ________ is the shortest.
Measure the length of the object.

23.

The length of the racket is _______ yard(s).

Measure the length to the nearest yard.

24.

The length of the white board is about _______ yards.

25.

The height of the door is about _______ yards.
26. The width of the badminton court is about _______ yards.

27. The length all around the table is about _______ yards.

Complete.

28. Janice walks about 5,300 feet. About how many mile(s) does Janice walk?

Janice walks about _______ mile(s).
Complete.

| 1,760 | 5,280 | 36 | 3 | 12 |

29. 1 foot (ft) = _______ inches (in.)

30. 1 yard (yd) = _______ feet (ft)
     = _______ inches (in.)

31. 1 mile (mi) = _______ yards (yd)
     = _______ feet (ft)

Choose the best estimate.

Example

The height of a two-story house is about _____30 feet_____.

30 inches  30 feet  30 yards  30 miles

32. The height of a mountain is about _______.

   1 inch  1 foot  1 yard  1 mile
Worksheet 2  Measuring Weight

Read the scales. Then fill in the blanks.

Example

The apple weighs _____ ounces.

1. The packet of nuts weighs _______ ounces.

2. The watch weighs about _______ ounces.
Write the weight of each object.

Example

A slice of bread weighs about 1 ounce.
The bag of strawberries weighs about ___ ounces.

3.

A slice of bread weighs about 1 ounce.
The carrots weigh about _________ ounces.

4.

A slice of bread weighs about 1 ounce.
The pencils weigh about _________ ounces.
Read the scales. Then fill in the blanks.

Example

The pound (lb) is another standard customary unit of weight. It is used for measuring heavy objects.

The watermelon weighs 3 pounds.

5.

The brick weighs _______ pounds.

6.

The books weigh about _______ pounds.
Write the weight of each object.

Example

The bag of buns weighs about 1 pound.

7.

The weight of the tomatoes is about _______ pounds.

8.

The weight of the bag of flour is about _______ pounds.
Fill in each blank with <, >, or =.

1. 12 oz ________ 1 lb
2. 1 lb ________ 10 oz
3. 16 oz ________ 1 lb

4. Which of the following is correct? _______
   (a) 1 ton = 100 pounds        (b) 1 ton = 1,000 pounds
   (c) 1 ton = 2,000 pounds

Choose the best unit to measure each object.
Use ounce, pound, or ton.

Example

The weight of an elephant

_______ ton

The ton (T) is another customary unit of weight. It is used for measuring very heavy objects.

13. The weight of a monkey _______
14. The weight of a rhinoceros _______
15. The weight of a bunch of blueberries _______
16. The weight of an egg _______
Compare. Then fill in the blanks with < or >.

Example

\[
1 \text{ T } \quad > \quad 1,000 \text{ lb}
\]

1 ton (T) = 2,000 pounds (lb)

17. \[1 \text{ T } \quad \underline{\_\_\_\_\_}\quad 3,000 \text{ lb}\]

18. \[2 \text{ lb } \underline{\_\_\_\_\_}\quad 20 \text{ oz}\]

19. \[5,000 \text{ lb } \underline{\_\_\_\_\_}\quad 5 \text{ T}\]

20. \[4 \text{ lb } \underline{\_\_\_\_\_}\quad 100 \text{ oz}\]

21. \[50 \text{ oz } \underline{\_\_\_\_\_}\quad 50 \text{ lb}\]
Worksheet 3  Measuring Capacity

Find the capacity of each container.

Example

The cup (c) is a standard customary unit for measuring capacity.

The pitcher can hold ______ cups of water.
The pitcher has a capacity of ______ cups.

1.

The carton can hold ______ cups of water.
The carton has a capacity of ______ cups.

2.

The container can hold ______ cups of water.
The container has a capacity of ______ cups.
3. There are 10 cups. 
4 of them are completely filled with water. 
The other cups are empty. 
All of the water is emptied into a glass and fills the glass completely. 
What is the capacity of the glass?

—— cups

4. A glass of water can fill 5 cups completely. 
A jug of water can fill 7 cups completely. 
Which container has a greater capacity?

The ——— has a greater capacity.

Find the capacity of each container.

Example

The pitcher can hold ——— cups of water.

——— cups of water = ——— pints of water

The pitcher has a capacity of ——— pints.
5. The carton can hold _______ cups of water.
   _______ cups of water = _______ pints of water
   The carton has a capacity of _______ pints.

   **Complete the sentence with greater than, less than, or equal to.**

6. A glass can fill 3 pints 1 cup.
   A jug can fill 2 pints 3 cups.

   Glass: 3 pints + 1 cup = ? cups
   Jug: 2 pints + 3 cups = ? cups

   The capacity of the glass is ___________ the capacity of the jug.

   **Fill in the blank.**

7. 4 pints 3 cups of fruit juice is the same as _______ cups
   of fruit juice.
Find the capacity of each container.

Example

The pot can hold _____ quarts of soup.
The pot has a capacity of _____ quarts.

8.

The container can hold _______ quarts of water.
The container has a capacity of _______ quarts.

Complete the sentence with greater than, less than, or equal to.

9. Container A can fill 2 quarts 3 pints.
Container B can fill 5 pints 4 cups.

A: 2 quarts + 3 pints = ? pints
   = ? cups
B: 5 pints + 4 cups = ? cups

The capacity of the Container A is _________
the capacity of the Container B.
Fill in the blank.

0. 2 quarts 1 pint 4 cups of fruit juice is the same as ________ cups of fruit juice.

Find the capacity of each container.

Example

The container can hold ________ gallons of water.
The container has a capacity of ________ gallons.
The container has a capacity of ________ quarts.

The gallon (gal) is a standard customary unit for measuring capacity.
1 gallon = 4 quarts
1 gallon = 8 pints

11.

The bathtub can hold ________ gallons of water.
The bathtub has a capacity of ________ gallons.
The bathtub has a capacity of ________ quarts.
Fill in the blanks.

12. 1 gallon = _______ quarts
     = _______ pints
     = _______ cups

Complete the sentence with greater than, less than, or equal to.

13. Container A can fill 1 gallon 5 quarts 6 pints. Container B can fill 5 quarts 2 pints 8 cups.

     The capacity of the Container A is ______________ the capacity of the Container B.

Fill in the blank.

14. 3 gallons 4 quarts 1 pint 3 cups of fruit juice is the same as _______ cups of fruit juice.