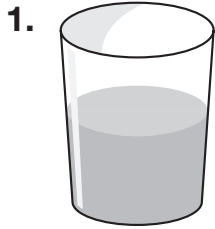


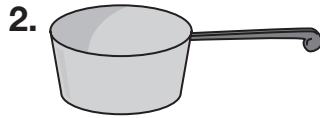
Name _____

Customary Units of Capacity

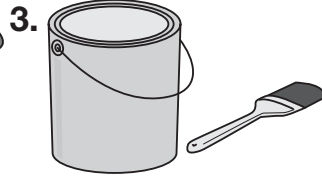
Choose the better estimate for each.



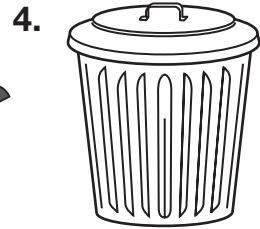
1 c or 1 gal



3 qt or 3 gal



1 pt or 1 gal



10 qt or 10 gal

5. coffee pot
1 c or 1 gal

6. bowl of soup
1 pt or 1 gal

7. tea kettle
1 qt or 1 gal

8. small milk carton
1 c or 1 gal

Choose the better unit to measure the capacity of each.

9. hot tub
qt or gal

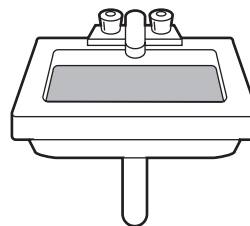
10. shampoo bottle
pt or gal

11. bucket
c or gal

12. sports cooler
qt or gal

13. **Reasonableness** John has 4 cups filled with fruit juice. He said that he has a gallon of fruit juice. Is his statement reasonable? Explain why or why not.

14. **Reason** Which measurement best describes the capacity of a kitchen sink?



A 5 quarts

B 5 pints

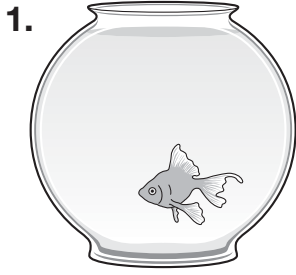
C 5 cups

D 5 gallons

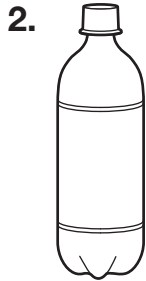
Name _____

Metric Units of Capacity

Choose the better estimate for each.



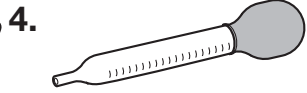
2 mL or 2 L



2 mL or 2 L



5 mL or 5 L



1 mL or 1 L

5. kitchen sink
2 L or 20 L

6. coffee cup
250 mL or 25 L

7. thermos
2 L or 20 L

8. pitcher
40 mL or 4 L

Choose the better unit to measure the capacity of each.

9. tea cup
mL or L

10. bath tub
mL or L

11. glass of juice
mL or L

12. washing machine
mL or L

13. **Reason** A liter is equal to 100 centiliters. Is a centiliter a greater measure than a milliliter? Explain.

14. **Reason** Which is the best estimate for the capacity of a large bottle of water?

A 1 L

C 4 L

B 400 mL

D 40 mL



Name _____

Units of Mass

Choose the better estimate for each.

1.



3 g or 3 kg

2.



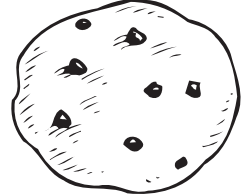
40 g or 40 kg

3.



250 g or 25 kg

4.



30 g or 300 g

5. crayon

20 g or 200 g

6. large dog

5 kg or 50 kg

7. quarter

5 g or 500 g

8. adult male

7 kg or 70 kg

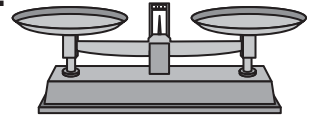
Choose the best tool to measure each.

9. the mass of a phone _____

a.



b.



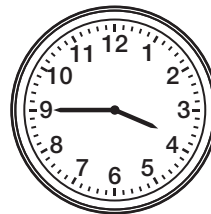
10. the length of a crayon _____

11. the temperature _____

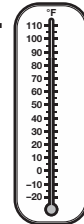
c.



d.



e.



12. the time for dinner _____

13. the capacity of a bowl _____

14. **Writing to Explain** Would you use grams or kilograms to find the mass of a letter? Explain.

15. **Reason** Which is the best estimate for the mass of a pair of sneakers?

A 1 kg

B 1 g

C 10 kg

D 10 g

Name _____

Units of Weight

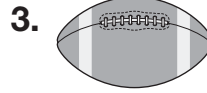
Choose the better estimate for each.



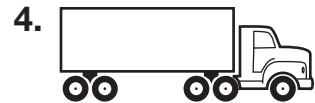
3 oz or 3 lb



30 oz or 30 lb



2 oz or 2 lb



500 lb or 5 T

5. DVD
1 oz or 1 lb

6. chair
20 oz or 20 lb

7. cell phone
6 oz or 6 lb

8. computer
10 oz or 10 lb

Choose the better unit to measure the weight of each.

9. car
lb or T

10. strawberry
oz or lb

11. baseball
oz or lb

12. book
lb or T

13. **Critique Reasoning** Emily said the larger an object is, the more it weighs. Is Emily correct? Explain why or why not.

14. **Reason** Which of the following objects can best be measured in ounces?

A pencil

B couch

C desk

D doghouse

Problem Solving: Draw a Picture

The table to the right shows the mass of fat in grams per serving for certain foods. Use the table for **1–2**. Draw a picture to solve.

Total Fat (per serving)

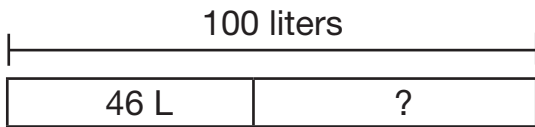
Food	Amount of Fat (g)
Cheddar Cheese	9
Honey Ham	2
Mixed Nuts	15

1. What is the sum of the number of grams of total fat per serving for cheddar cheese and mixed nuts.
2. A package of cheddar cheese has 8 servings. How many total grams of fat are in a package of cheese?
3. The capacity of a bottle of juice is 30 fluid ounces. Maggie wants to put the juice into 6 smaller containers. She wants each container to have the same amount of juice. How many ounces of juice should she put in each container? Draw a picture to solve.
4. **Write a Problem** Write a real-world problem that involves weight, mass, or capacity and can be solved by drawing a picture.

Mark the best answer.

1. Which unit would be best to measure the mass of an elephant? (15-3)
- A Liters
 - B Milliliters
 - C Grams
 - D Kilograms**

2. A large container at the Voth dairy farm holds 100 liters of milk. At sunrise on Monday it contained 46 liters of milk. How many more liters of milk are needed to fill the container? (15-5)



- A 44 liters
 - B 54 liters**
 - C 64 liters
 - D 65 liters
3. Which of these units would best measure the capacity of a bathtub? (15-1)
- A Gallons**
 - B Quarts
 - C Pints
 - D Cups

4. Which of the following best describes the mass of a piano? (15-3)
- A 25 kilograms
 - B 250 kilograms**
 - C 25 grams
 - D 250 grams

5. Which of the following would you measure in milliliters? (15-2)
- A Capacity of a kitchen sink
 - B Capacity of a swimming pool
 - C Capacity of a water pitcher
 - D Capacity of a juice box**

6. Which of the following best describes the capacity of a dog's water dish? (15-1)



- A 20 pints
- B 20 cups
- C 2 quarts
- D 2 cups**

7. Which of the following weighs closest to 1 ton? (15-4)

- A** A sportscar
- B** A laptop computer
- C** A gallon of milk
- D** A softball

8. Name a metric unit that would be best to measure the capacity of a bottle of eye drops. (15-2)

Milliliters

Name the correct customary unit to complete the sentence.

9. The capacity of Martha's small wading pool is about 100 _____. (15-1)

Gallons

10. A bowling ball weighs about 10 _____. (15-4)

Pounds

11. A refrigerator weighs about 350 _____. (15-4)

Pounds

12. Which metric unit would be best to measure the mass of a hamster? (15-3)

Grams

13. Name a household object that can hold about 10 liters of water. (15-2)

Sample answer:

bucket

14. Jill has 2 liters of water and wants to fill a household container with it. Name a container Jill can fill. (15-2)

Sample answer:

coffee pot

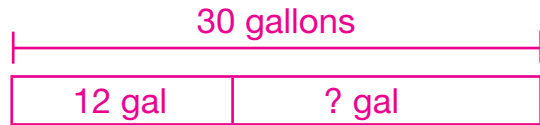
15. A full bottle of sports drink contains 16 fluid ounces of liquid. David drank 5 fluid ounces of the sports drink.
How many fluid ounces of drink are left in the bottle? Draw a picture to solve. (15-5)

Check students' drawings; 11 fluid ounces

16. Explain why it is better to use pounds than ounces to measure the weight of a bicycle. (15-4)

Sample answer: A bicycle weighs more than one pound. It would take too many ounces to measure the weight of the bicycle.

17. Jill has a small tub she uses to play with her toy boats. She puts in 12 gallons of water. The tub has a capacity of 30 gallons. How many more gallons should she put in to fill the tub? Draw a picture to solve. (15-5)



18 gallons

18. Which measurement best describes the capacity of a glass of milk, 1 cup or 1 gallon? Explain. (15-1)

Sample answer: 1 cup; 1 gallon is the size of an entire jug of milk, and 1 cup is much smaller.

19. Mr. Jones wants to know the length of his pencil. Should he use a ruler or a cup to measure? (15-3)

A ruler

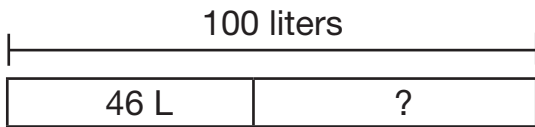
20. Is the capacity of a jar of baby food more than a liter or less than a liter? (15-2)

Less

Mark the best answer.

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 - A Liters
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