

Math 2 Classwork 8

WARM-UP

1

Mental Math

a) Tom is 4 years older than Mark. Mark is 10 years old. How old is Tom?

b) Two children in a family are aged 10 and 12. Alan is older than Kate. How old is Alan?

c) In a swimming race, Jane finished before Kim; Pam finished before Jane.

1. Who finished first? _____

2. Who finished last? _____

d) Sue is 1 year older than Rachel and 2 years younger than Jane. Jane is 9 years old.

1. How old is Sue?

2. How old is Rachel?

Homework Review

1. Find the sum using the commutative property of addition.

$$5 + 15 + 25 + 35 + 45 + 55 + 65 + 75 + 85 + 95 = \underline{\hspace{10em}}$$

2. Express in cm:

$24\text{dm} = \underline{\hspace{2em}} \text{ cm}$

$66\text{dm} = \underline{\hspace{2em}} \text{ cm}$

$30\text{dm} = \underline{\hspace{2em}} \text{ cm}$

$2\text{dm } 7\text{cm} = \underline{\hspace{2em}} \text{ cm}$

$8\text{dm } 5\text{cm} = \underline{\hspace{2em}} \text{ cm}$

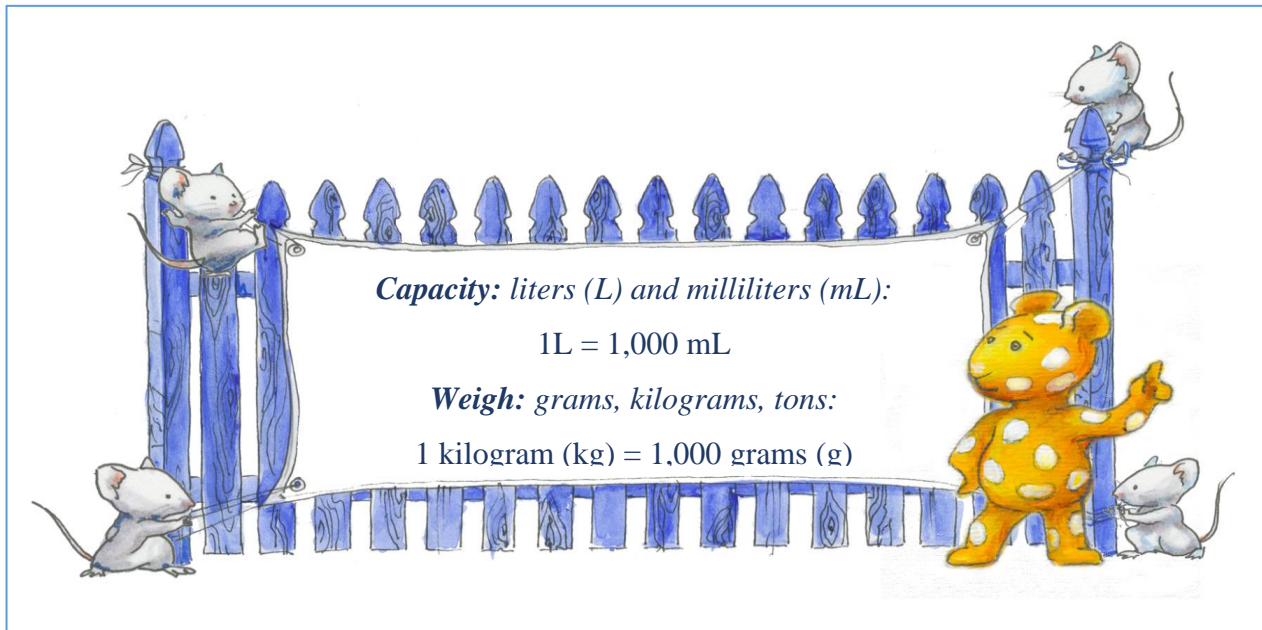
$80\text{dm } 6\text{cm} = \underline{\hspace{2em}} \text{ cm}$

$2\text{m } 3\text{dm } 4\text{cm} = \underline{\hspace{2em}} \text{ cm}$

$4\text{m } 6\text{dm } 3\text{cm} = \underline{\hspace{2em}} \text{ cm}$

$2\text{m } 7\text{cm} = \underline{\hspace{2em}} \text{ cm}$

Capacity. Weight.



This bottle holds 1 liter of water.



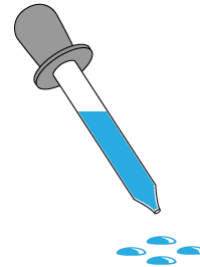
A paperclip weighs about 1g.



A medium car weighs about 1 ton.



A milliliter is about 20 drops of water.



A big textbook weighs about 1kg



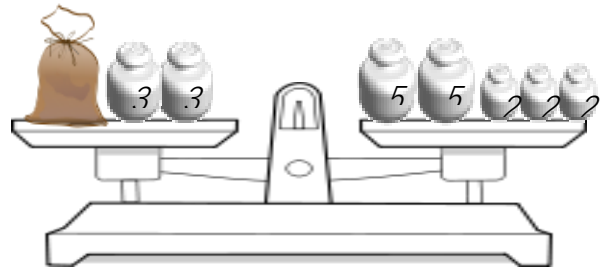
2

Read questions and circle a correct answer:

- a) Mr. Franklin filled a bucket with water to clean his floor. Does his bucket more likely hold 9 liters or 9 milliliters of water?
- b) A baker adds half of a teaspoon of vanilla to her cake recipe. Did she use 2.5 L or 2.5 mL of vanilla?
- c) Chris bought a cup of hot chocolate. Does his cup more likely hold 400 liters or 400 milliliters of hot chocolate?
- d) Which of the following should be measured in liters (not milliliters)? Circle ones.
Cough drops, toothpaste, juice, fish tank, shampoo, yogurt, milk.

3

How many *kg* does the bag of flour weigh?

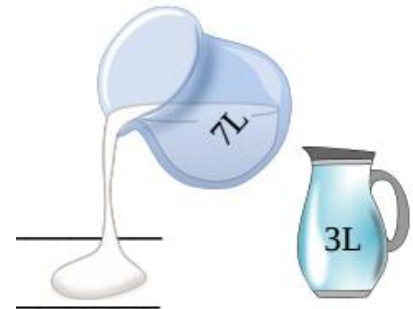


4

There are two jars: a 7-liter and a 3-liter. Explain the meaning of the following expressions:

$7 + 3$ _____

$7 - 3$ _____



5

Compare, using $>$, $<$, or $=$:

23 cm ___ 5 cm

68 cm ___ 6dm and 8 cm

3 dm ___ 36 cm

180g ___ 18kg

51kg ___ 510g

700g ___ 70kg

500 mL ___ 1L

9L ___ 950mL

3L ___ 350mL

6

REVIEW

Calculate:

$$\begin{array}{r} 362 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 405 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 614 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 352 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 410 \\ - 14 \\ \hline \end{array}$$

7

Over the summer, a group of tenth graders went for a tour of historic battlefields. During the trip, the students traveled 251 km by train, 96 km by bus and walked 26 km. What is the total distance the group has travelled?

8

Name each object and explain what it measures.



Challenge Yourself

11

There are 5 daughters in the family. Each daughter has 1 brother.

How many children are there in the family?