

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.

$5 + 15 + 25 + 35 + 45 + 55 + 65 + 75 + 85 + 95 =$ _____

2. Express in cm:

24dm = _____ cm

66dm = _____ cm

30dm = _____ cm

2dm 7cm = _____ cm

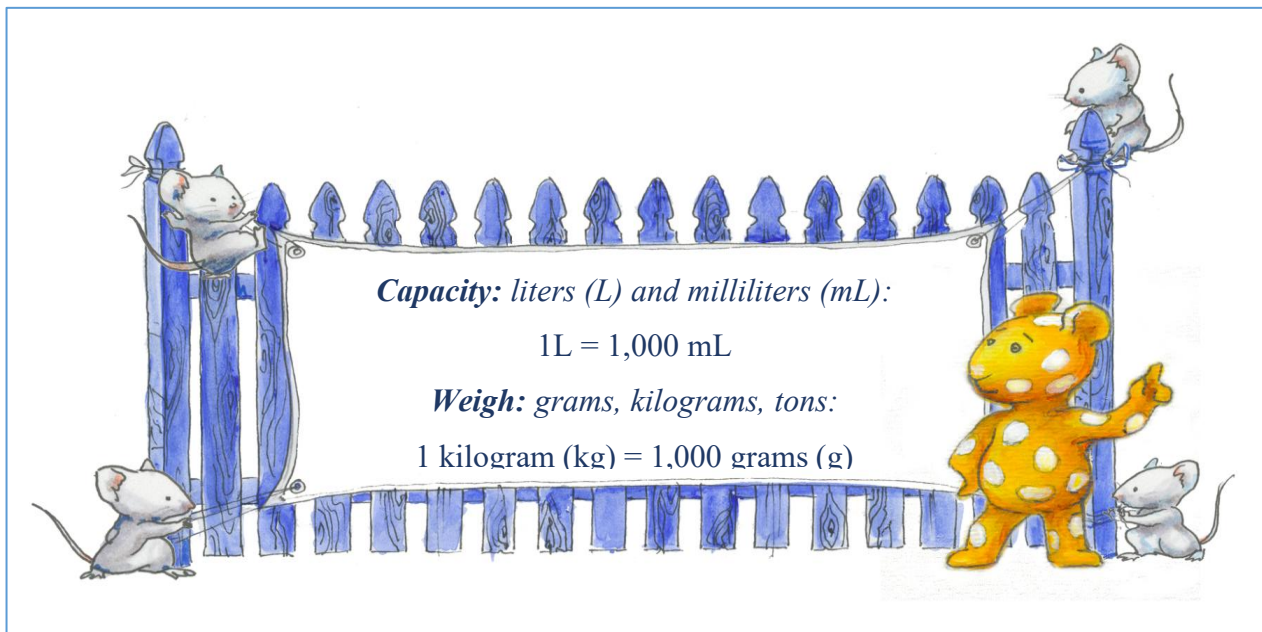
8dm 5cm = _____ cm

80dm 6cm = _____ cm

2m 3dm 4cm = _____ cm

4m 6dm 3cm = _____ cm

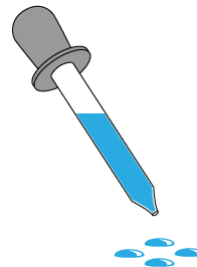
2m 7cm = _____ cm

Capacity. Weight.

This bottle holds 1 liter of water.



A milliliter is about 20 drops of water.



A paperclip weighs about 1g.



A big textbook weighs about 1kg



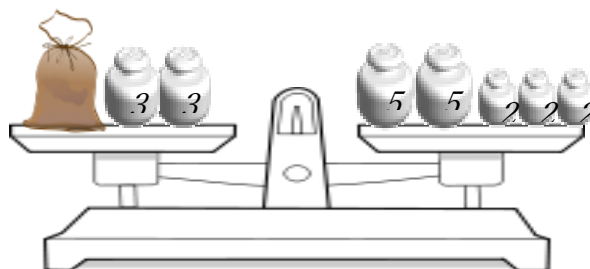
A medium car weighs about 1 ton.



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.

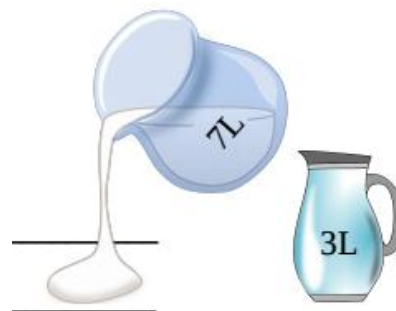
3How many *kg* does the bag of flour weigh?

**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

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REVIEW

Calculate:

$$\begin{array}{r} 3 \ 6 \ 2 \\ - \quad 1 \ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \ 0 \ 5 \\ - \quad 1 \ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \ 1 \ 4 \\ - \quad \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \ 0 \ 8 \\ - \quad 1 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \ 5 \ 2 \\ - \quad 2 \ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \ 1 \ 0 \\ - \quad 1 \ 4 \\ \hline \end{array}$$

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?