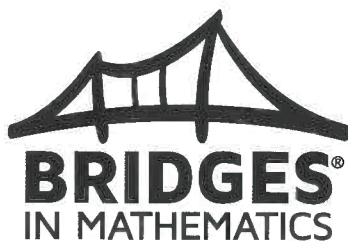


Home Connections

GRADE 4 – UNIT 1 – MODULE 4



NAME _____

DATE _____

**Measuring Lengths** page 1 of 2

1 Would you use centimeters or meters to measure the length of

- a** your bedroom? _____
- b** your big toe? _____
- c** a car? _____
- d** a mouse? _____
- e** the gym? _____

2 Fill in the table below to convert between centimeters and meters. The first 2 rows are done for you.

centimeters (cm)	meters (m)
100 cm	1 m
200 cm	2 m
300 cm	
	8 m
2500 cm	
	31 m

3 For each of the following story problems, show your work using numbers, labeled sketches, or words. Write an equation, including the answer labeled with the correct units, to represent your work.

- a** Chloe is a baby who is 24 inches tall. Her father is 3 times as tall as she is. How many inches tall is Chloe's father?

(continued on next page)

NAME _____

DATE _____

Measuring Lengths page 2 of 2

- b** Chloe's dog, Wilson, is 27 inches long. Chloe's hammock is 4 times as long as Wilson. How many inches long is the hammock?

- 4 CHALLENGE** A small table is 2 feet by 3 feet. A large table is twice as long and twice as wide as the small table. What is the area of the large table in square feet?

NAME _____

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**Mass & Volume Story Problems** page 1 of 2

For each problem, show your thinking with numbers, sketches, or words. Then write an equation that represents your work.

- 1** DJ and Tyler are watering plants. DJ uses 18 liters of water. Tyler uses 5 times as much water. How much water does Tyler use?

 Equation

 Answer, labeled with correct units

- 2** Chris and Jocelyn are building a patio out of bricks. Chris uses 23 kilograms of bricks. Jocelyn uses 6 times as many kilograms. How many kilograms of bricks does Jocelyn use?

 Equation

 Answer, labeled with correct units

- 3** The mass of one bouncy ball is 14 grams. Tracy has 8 bouncy balls. What is the mass of all 8 bouncy balls?

 Equation

 Answer, labeled with correct units

- 4** True or False?

a A liter is 1,000 times as much as a milliliter. _____

b A gram is 300 times smaller than a kilogram. _____

c There are 99 centimeters in a meter. _____

- 5** Fill in the bubble to show which unit you would use to measure the amount of water in a very large pitcher.

milliliter

kilogram

liter

centimeter

(continued on next page)

NAME _____

DATE _____

Mass & Volume Story Problems page 2 of 2

6 Fill in the bubble to show which unit you would use to measure the mass of a mouse.

centimeter gram liter kilogram

7 **CHALLENGE** Anna has 15 stickers. Rosa has 3 times as many stickers as Anna. Dawn has 3 times as many stickers as Rosa. Sara has 17 fewer stickers than Dawn.

a How many stickers does Rosa have? Show your work.

b How many stickers does Dawn have? Show your work.

c How many stickers does Sara have? Show your work.