LESSON MAKER PRO

Unit Switch Quest

Change larger units into smaller units.

GRADE 4 · 4.MD.A

CCSS.Math.Content.4.MD.A "Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit."

NAME _____ DATE _____

MAKE THE NUMBER BIGGER

To change from a larger unit to a smaller unit, multiply by the number of smaller units in one larger unit. The number gets bigger because the same amount is being counted in smaller pieces.

WORKED EXAMPLE

Convert 8 meters to centimeters.

1. 1 meter = 100 centimeters.
2. 8 x 100 = 800.
3. 8 meters = 800 centimeters.

Answer: 800 centimeters

PRACTICE 6 problems

1 Convert 5 feet to inches.

ANSWER _____

2 Convert 4 yards to feet.

ANSWER _____

3 Convert 9 meters to centimeters.

ANSWER _____

4 Convert 6 liters to milliliters.

ANSWER _____

5 Convert 3 pounds to ounces.

ANSWER _____

6 Convert 2 hours to minutes.

ANSWER _____

APPLY IT Show your work

1 Nico has 2 yards of cord for friendship bracelets. He cuts the cord into 3 equal pieces. How many inches long is each piece?

WORK SPACE

ANSWER _____

2 A school garden gets 5 liters of water each day for 4 days. How many milliliters of water does the garden get in all?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A pet shelter has 4 pounds of dry food in one bin and 2 pounds in another bin. The shelter fills bags that each hold 4 ounces of food. How many full bags can the shelter fill?

WORK SPACE AND ANSWER

ANSWER KEY

Unit Switch Quest

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Convert 5 feet to inches.	**60 inches**
2	Convert 4 yards to feet.	**12 feet**
3	Convert 9 meters to centimeters.	**900 centimeters**
4	Convert 6 liters to milliliters.	**6,000 milliliters**
5	Convert 3 pounds to ounces.	**48 ounces**
6	Convert 2 hours to minutes.	**120 minutes**

PART 2 · APPLY IT

1. **24 inches** Convert 2 yards to 72 inches. Then divide 72 by 3 to get 24 inches for each piece.
2. **20,000 milliliters** Multiply 5 liters by 4 days to get 20 liters. Convert 20 liters to 20,000 milliliters.

CHALLENGE

24 bags

Accept correct unit abbreviations, such as in., ft, cm, mL, and oz. For the challenge, accept work that adds the pounds first or converts each amount to ounces before adding.