LESSON MAKER PRO

Unit Switch

Change larger units into smaller units.

GRADE 4 · MT.4.MD.1

MT.4.MD.1 "Know relative sizes of units within one system of measurement and within the system, express measurements of a larger unit in terms of a smaller unit."

NAME _____ DATE _____

MULTIPLY TO CONVERT

A larger unit contains several smaller units. To change a measurement to smaller units, multiply by the number of smaller units in 1 larger unit.

WORKED EXAMPLE

How many feet are in 7 yards?

1. 1 yard = 3 feet.
2. 7 × 3 = 21.

Answer: 21 feet

PRACTICE 6 problems

1 How many feet are in 2 yards?

ANSWER _____

2 How many inches are in 4 feet?

ANSWER _____

3 How many centimeters are in 5 meters?

ANSWER _____

4 How many grams are in 6 kilograms?

ANSWER _____

5 How many milliliters are in 9 liters?

ANSWER _____

6 How many minutes are in 12 hours?

ANSWER _____

APPLY IT Show your work

1 You have a 3-foot piece of string for a craft project. How many inches long is it?

WORK SPACE

ANSWER _____

2 A snack stand makes 4 gallons of lemonade for a school game. How many quarts of lemonade is that?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A ribbon is 2 yards and 2 feet long. How many inches long is it? Show how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Unit Switch

GRADE 4 · MT.4.MD.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	How many feet are in 2 yards?	**6 feet**
2	How many inches are in 4 feet?	**48 inches**
3	How many centimeters are in 5 meters?	**500 centimeters**
4	How many grams are in 6 kilograms?	**6,000 grams**
5	How many milliliters are in 9 liters?	**9,000 milliliters**
6	How many minutes are in 12 hours?	**720 minutes**

PART 2 · APPLY IT

1. **36 inches** Multiply 3 by 12 inches per foot to get 36 inches.
2. **16 quarts** Multiply 4 by 4 quarts per gallon to get 16 quarts.

CHALLENGE

2 yards = 6 feet. 6 feet + 2 feet = 8 feet. 8 feet = 96 inches.

Accept equivalent calculations that use the correct conversion and include the smaller unit.