LESSON MAKER PRO

Unit Switch-Up

Use multiplication or division to change customary units.

GRADE 5 · 5.MDR.7.4

5.MDR.7.4 "Convert among units within relative sizes of measurement units within the customary measurement system."

NAME _____ DATE _____

CHOOSE THE OPERATION

To change from a larger unit to a smaller unit, multiply. To change from a smaller unit to a larger unit, divide. Use a conversion fact to decide how many of the new units equal the unit you started with.

WORKED EXAMPLE

Convert 7 feet to inches.

1. 1 foot = 12 inches.
2. 7 × 12 = 84.
3. 7 feet = 84 inches.

Answer: 84 inches

PRACTICE 6 problems

1 Convert 6 yards to feet.

ANSWER _____

2 Convert 48 ounces to pounds.

ANSWER _____

3 Convert 9 pounds to ounces.

ANSWER _____

4 Convert 2 gallons to quarts.

ANSWER _____

5 Convert 40 cups to pints.

ANSWER _____

6 Convert 64 fluid ounces to cups.

ANSWER _____

APPLY IT Show your work

1 For game night, the student council makes 11 quarts of fruit punch. How many cups of fruit punch did they make?

WORK SPACE

ANSWER _____

2 A pet shelter receives a 13-pound bag of dry food. How many ounces of dry food are in the bag?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A drink cooler holds 2 gallons and 6 cups of water. Is that more or less than 10 quarts? Tell how many cups more or less.

WORK SPACE AND ANSWER

ANSWER KEY

Unit Switch-Up

GRADE 5 · 5.MDR.7.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Convert 6 yards to feet.	**18 feet**
2	Convert 48 ounces to pounds.	**3 pounds**
3	Convert 9 pounds to ounces.	**144 ounces**
4	Convert 2 gallons to quarts.	**8 quarts**
5	Convert 40 cups to pints.	**20 pints**
6	Convert 64 fluid ounces to cups.	**8 cups**

PART 2 · APPLY IT

1. **44 cups** There are 4 cups in 1 quart. Multiply 11 × 4 to get 44 cups.
2. **208 ounces** There are 16 ounces in 1 pound. Multiply 13 × 16 to get 208 ounces.

CHALLENGE

It is 2 cups less than 10 quarts.

Accept correct customary unit abbreviations, such as ft, lb, oz, qt, pt, and gal. For the challenge, accept a correct explanation showing that the cooler holds 38 cups and 10 quarts equals 40 cups.