

Convert It Up

Use unit facts to move between measurement units.

GRADE 5 • TEKS 5.7

5.7 "Geometry and measurement. The student applies mathematical process standards to select appropriate units, strategies, and tools to solve problems involving measurement..."

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 the unit relationship to decide which operation makes sense.

WORKED EXAMPLE

Convert 5 m to cm.

1. $1 \text{ m} = 100 \text{ cm}$.

2. $5 \times 100 = 500$.

3. $5 \text{ m} = 500 \text{ cm}$.

Answer: 500 cm

PRACTICE 6 problems

1 Convert 4 ft to inches.

ANSWER _____

2 Convert 84 in to feet.

ANSWER _____

3 Convert 6 cups to pints.

ANSWER _____

4 Convert 7 kg to grams.

ANSWER _____

5 Convert 2,000 mL to liters.

ANSWER _____

6 Convert 3 mi to yards.

ANSWER _____

APPLY IT Show your work

- 1** A school robotics team needs 2 m 35 cm of wire for a project. How many centimeters of wire does the team need?

WORK SPACE

ANSWER _____

- 2** The art club has 3 quarts of paint. They pour the paint into cups. How many cups of paint do they have?

WORK SPACE

ANSWER _____

CHALLENGE One step up

At a fundraiser walk, Leo completes 2 mi 880 yd. How many yards does he walk in all?

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Convert 4 ft to inches.	48 in
2	Convert 84 in to feet.	7 ft
3	Convert 6 cups to pints.	3 pt
4	Convert 7 kg to grams.	7,000 g
5	Convert 2,000 mL to liters.	2L
6	Convert 3 mi to yards.	5,280 yd

PART 2 • APPLY IT

1. **235 cm** Convert 2 m to 200 cm. Then add 200 cm + 35 cm to get 235 cm.
2. **12 cups** There are 4 cups in 1 quart. Multiply 3 x 4 to get 12 cups.

CHALLENGE**4,400 yd**

Accept correct unit abbreviations or unit names. For the challenge, students may show $2 \times 1,760 = 3,520$ and then add 880.