LESSON MAKER PRO

Unit Switch Lab

Turn larger units into smaller units.

GRADE 4 · 4.GR.A.1

4.GR.A.1 "Apply the relationship between measurement units within a given measurement system (customary: in, ft, yd, oz, lb, sec, min, hr; metric: cm, m, km, g, kg, mL, L) to convert measurements from a larger unit to smaller unit."

NAME _____ DATE _____

MULTIPLY TO CONVERT

To change a larger unit to a smaller unit, multiply by the number of smaller units in 1 larger unit. Write the smaller unit beside your answer.

WORKED EXAMPLE

Convert 8 m to cm.

1. 1 m = 100 cm
2. 8 × 100 = 800

Answer: 8 m = 800 cm

PRACTICE 6 problems

1 Convert 3 yd to ft.

ANSWER _____

2 Convert 4 lb to oz.

ANSWER _____

3 Convert 5 hr to min.

ANSWER _____

4 Convert 6 km to m.

ANSWER _____

5 Convert 2 L to mL.

ANSWER _____

6 Convert 11 ft to in.

ANSWER _____

APPLY IT Show your work

1 A craft club has 3 kg of beads. It uses 600 g of beads. How many grams of beads are left?

WORK SPACE

ANSWER _____

2 A game tournament lasts 2 hr. After 45 min, how many minutes are left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A ribbon is 5 yd long. You cut off 4 ft. How many feet of ribbon remain? Show a number sentence.

WORK SPACE AND ANSWER

ANSWER KEY

Unit Switch Lab

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Convert 3 yd to ft.	**9 ft**
2	Convert 4 lb to oz.	**64 oz**
3	Convert 5 hr to min.	**300 min**
4	Convert 6 km to m.	**6,000 m**
5	Convert 2 L to mL.	**2,000 mL**
6	Convert 11 ft to in.	**132 in**

PART 2 · APPLY IT

1. **2,400 g** Convert 3 kg to 3,000 g. Subtract 600 g to get 2,400 g.
2. **75 min** Convert 2 hr to 120 min. Subtract 45 min to get 75 min.

CHALLENGE

11 ft; 5 × 3 - 4 = 11

Accept answers with the correct value and smaller unit. For the challenge, accept any correct number sentence that converts yards to feet before subtracting.