ALBERT

Name _____ Date _____

Measurement Conversion Worksheet

Grade 5 · Common Core 5.MD.A.1

> Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real world problems.

Practice

Builds the skill step by step.

1. 1 meter = 100 centimeters. How many centimeters are in 5 meters?

2. 1 kilogram = 1,000 grams. How many grams are in 3 kilograms?

3. 1 foot = 12 inches. How many inches are in 4 feet?

4. 1 gallon = 4 quarts. How many quarts are in 2 gallons?

5. Convert 5 centimeters to meters.

6. 1 yard = 3 feet. How many feet are in 3 yards?

7. Convert 250 centimeters to meters.

8. 1 liter = 1,000 milliliters. How many liters are 4,000 milliliters?

9. Which length is the same as 1.5 kilometers?

   A. 1,500 meters

   B. 150 meters

   C. 15 meters

   D. 15,000 meters

10. 1 pound = 16 ounces. How many ounces are in 6 pounds?

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On Level

Grade-level practice.

1. Convert 2.4 kilograms to grams.

2. Convert 72 inches to feet.

3. How many inches are in 3 feet 4 inches?

4. A rope 5 meters long is cut into pieces 25 centimeters long. How many pieces are there?

5. 1 quart = 2 pints. Complete the table. What number goes in the empty cell?

Quarts	Pints
1	2
3	6
5	10
7	?

6. A bowl holds 2.5 liters of punch. Each cup holds 250 milliliters. How many cups can be filled?

7. Ana ran 1.2 kilometers. Ben ran 950 meters. How many more meters did Ana run?

8. 1 pint = 2 cups. How many pints are in 9 cups?

9. Which length is the same as 0.8 meter?

   A. 0.08 centimeter

   B. 8 centimeters

   C. 800 centimeters

   D. 80 centimeters

10. 3 pounds 8 ounces of apples are shared equally among 4 bags. How many ounces go in each bag?

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Challenge

Multi-step and word problems that stretch it.

1. Lia has 4 yards of ribbon. She cuts 5 pieces, each 2 feet long. How many feet of ribbon are left?

2. Six bottles each hold 750 milliliters of juice. How many liters of juice is that in all?

3. A jug holds 3 gallons of water. 1 gallon = 16 cups. Max drinks 6 cups a day. How many days will the water last?

4. Which length is the longest?

   A. 1,050 mm

   B. 115 cm

   C. 1.2 m

   D. 0.9 m

5. A truck can carry 2 tons. 1 ton = 2,000 pounds. Each box weighs 80 pounds. How many boxes can the truck carry?

6. A batch of bread needs 750 grams of flour. How many full batches can be made from a 3-kilogram bag?

7. Jada walks 2.5 kilometers each day for 6 days. How many meters does she walk in all?

8. Which statement is true?

   A. 0.05 m = 5 cm

   B. 0.05 m = 50 cm

   C. 0.5 m = 5 cm

   D. 5 m = 50 cm

9. A straight fence is 18 yards long. Posts go every 6 feet, including one at each end. How many posts are there?

10. Explain why you multiply by 100 to convert 3.5 meters to centimeters, and give the answer.