ALBERT

Name _____ Date _____

Measurement Conversion Worksheet

Grade 4 · Common Core 4.MD.A.1

> Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table. For example, know that 1 ft is 12 times as long as 1 in. Express the length of a 4 ft snake as 48 in. Generate a conversion table for feet and inches listing the number pairs (1, 12), (2, 24), (3, 36), ...

Practice

Builds the skill step by step.

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

2. 1 meter = 100 centimeters. How many centimeters are in 3 meters?

3. 1 kilogram = 1,000 grams. How many grams are in 5 kilograms?

4. How does 1 kilometer compare with 1 meter?

   A. 1 km is 100 times as long as 1 m.

   B. 1 m is 1,000 times as long as 1 km.

   C. They are the same length.

   D. 1 km is 1,000 times as long as 1 m.

5. 1 pound = 16 ounces. How many ounces are in 2 pounds?

6. 1 hour = 60 minutes. How many minutes are in 3 hours?

7. Complete the table. What number goes in the empty cell?

Feet	Inches
1	12
2	24
3	?

8. 1 liter = 1,000 milliliters. How many milliliters are in 2 liters?

9. 1 minute = 60 seconds. How many seconds are in 4 minutes?

10. Which unit would you use to measure the mass of an apple?

    A. liters

    B. grams

    C. kilograms

    D. meters

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On Level

Grade-level practice.

1. How many inches are in 7 feet?

2. How many centimeters are in 6 meters?

3. Complete the table. What number goes in the empty cell?

Pounds	Ounces
1	16
2	32
3	48
5	?

4. How many minutes are in 2 hours 15 minutes?

5. How many grams are in 3 kilograms 250 grams?

6. A snake is 4 feet long. Which length is the same?

   A. 48 inches

   B. 40 inches

   C. 16 inches

   D. 400 inches

7. How many meters are in 9 kilometers?

8. How many ounces are in 5 pounds 4 ounces?

9. How many milliliters are in 2 liters 500 milliliters?

10. How many seconds are in 3 minutes 20 seconds?

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Challenge

Multi-step and word problems that stretch it.

1. How many centimeters longer is 3 meters than 250 centimeters?

2. A puppy weighs 3 pounds 10 ounces. How many ounces does it weigh?

3. Complete the table. What number goes in the empty cell?

Hours	Minutes
1	60
2	120
?	300

4. Which statement is NOT true?

   A. 4 lb = 64 oz

   B. 3 m = 300 cm

   C. 2 kg = 200 g

   D. 1 hr = 3,600 sec

5. A movie is 135 minutes long. How many hours and minutes is that?

6. Ana drank 1 liter 750 milliliters of water. Ben drank 1,500 milliliters. How many more milliliters did Ana drink?

7. How many inches are in 6 feet 3 inches?

8. A race is 5 kilometers long. Kim has run 3,200 meters. How many meters does she have left?

9. A bag holds 48 ounces of rice. How many pounds is that?

10. Lu makes a table of meters and centimeters for 1, 2, 3, 4 and 5 meters. If she keeps going, how many centimeters will she write next to 8 meters?