Name _____

Problem Solving • Customary and Metric Conversions

Solve each problem by making a table.

1. Thomas is making soup. His soup pot holds 8 quarts of soup. How many 1-cup servings of soup will Thomas make?

   ## 32 1-cup servings

Number of Quarts	1	2	3	4	8
Number of Cups	4	8	12	16	32

2. Paulina works out with a 2.5-kilogram mass. What is the mass of the 2.5-kilogram mass in grams?

3. Alex lives 500 yards from the park. How many inches does Alex live from the park?

4. Emma uses a 250-meter roll of crepe paper to make streamers. How many dekameters of crepe paper does Emma use?
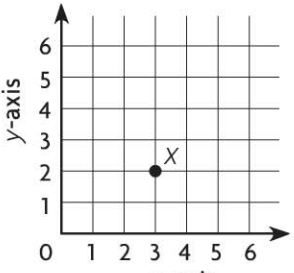
5. A flatbed truck is loaded with 7,000 pounds of bricks. How many tons of brick are on the truck?

Lesson Check (CC.5.MD.1)

1. At the hairdresser, Jenny had 27 centimeters cut off her hair. How many decimeters of hair did Jenny have cut off?

   (A) 0.027 dm

   (B) 0.27 dm

   (C) 2.7 dm

   (D) 270 dm

2. Marcus needs 108 inches of wood to make a frame. How many feet of wood does Marcus need for the frame?

   (A) 3 feet

   (B) 6 feet

   (C) $7\frac{1}{2}$ feet

   (D) 9 feet

Spiral Review (CC.5.NF.7c, CC.5.MD.1, CC.5.G.1)

3. Tara lives 35,000 meters from her grandparents. How many kilometers does Tara live from her grandparents? (Lesson 10.5)

   (A) 3.5 km

   (B) 35 km

   (C) 350 km

   (D) 3,500 km

4. Dane's puppy weighed 8 ounces when it was born. Now the puppy weighs 18 times as much as it did when it was born. How many pounds does Dane's puppy weigh now?
   (Lesson 10.4)

   (A) 9 pounds

   (B) 12 pounds

   (C) 16 pounds

   (D) 18 pounds

5. A carpenter is cutting dowels from a piece of wood that is 10 inches long. How many $\frac{1}{2}$-inch dowels can the carpenter cut?
   (Lesson 8.4)

   (A) 2

   (B) 5

   (C) 15

   (D) 20

6. Which ordered pair describes the location of point X? (Lesson 9.2)

   (A) (2, 3)

   (B) (2, 2)

   (C) (3, 2)

   (D) (3, 3)