Unit 8: Putting It All Together

PRACTICE · SET 3

Name: _____ Date: _____

Solve each problem and write your answer in simplest form, with units where they are given.

1. At the kite festival, paper tail streamers cost $0.35 each. Rina buys 6 streamers and pays with a $5 bill. How much change does she get?

Answer: _____

2. Omar has 3/4 of a liter of green paint. He pours it equally into 6 small jars. How many liters of paint are in each jar?

Answer: _____

3. A snack bar is 1/3 of a meter long. How many snack bars can be lined up end to end along a 5-meter shelf?

Answer: _____

4. A lunchbox is shaped like a rectangular prism. It is 12 cm long, 8 cm wide, and 5 cm tall. What is its volume?

Answer: _____

5. A gecko tank is a rectangular prism with a volume of 216 cm^3. Its base is 9 cm long and 6 cm wide. How tall is the tank?

Answer: _____

6. A wooden stage block is made of two rectangular boxes stacked one on top of the other. The bottom box is 8 cm long, 5 cm wide, and 3 cm tall. The top box is 4 cm long, 5 cm wide, and 2 cm tall. What is the total volume of the block?

Answer: _____

7. Three corners of a rectangular garden plot are at (2, 1), (2, 6), and (9, 6) on a coordinate grid. What are the coordinates of the fourth corner?

Answer: _____

8. On a park map, the water fountain is at (3, 8) and the bike rack is at (3, 2). How many units apart are they?

Answer: _____

9. Leo filled 2/5 of his compost bin on Monday and 1/3 of the bin on Tuesday. What fraction of the bin is filled now?

Answer: _____

10. A doormat is 3/4 of a meter long and 2/5 of a meter wide. What is its area?

Answer: _____

11. A roll of ribbon is 7.2 meters long. Mai cuts it into pieces that are each 0.6 meters long. How many pieces does she get?

Answer: _____

12. A pitcher held 5 1/4 cups of lemonade. The team drank 2 2/3 cups. How many cups are left?

Answer: _____