

Unit 8: Putting It All Together

PRACTICE • SET 4

Name: _____ Date: _____

Solve each problem and write your exact answer on the line. Show fractions in simplest form and include the coordinate pair when asked.

1. A dumpling recipe uses $\frac{2}{3}$ cup of cabbage for one full batch. Priya makes $\frac{3}{4}$ of a batch. How many cups of cabbage does she use?

Answer: _____

2. Marco has $\frac{3}{5}$ of a liter of blue paint. He pours it equally into 4 small jars. How many liters go in each jar?

Answer: _____

3. A roll of kite string is 6 meters long. Ava cuts it into pieces that are each $\frac{1}{4}$ meter long. How many pieces does she get?

Answer: _____

4. A water cooler held $4\frac{1}{6}$ liters in the morning. By lunch, $1\frac{3}{4}$ liters had been used. How many liters are left? Write your answer as a mixed number.

Answer: _____

5. Cherries cost \$1.35 for one kilogram. Sam buys 0.4 kilogram. How much does he pay in dollars?

Answer: _____

6. A crafts club has 7.2 meters of ribbon. Each bracelet uses 0.9 meter. How many bracelets can the club make?

Answer: _____

7. Nina buys 3 gel pens that cost \$2.45 each. She pays with a \$10 bill. How much change does she get?

Answer: _____

8. A fish tank is shaped like a rectangular prism. It is 12 inches long, 5 inches wide, and 8 inches tall. What is its volume in cubic inches?

Answer: _____

9. A storage box shaped like a rectangular prism has a volume of 270 cubic centimeters. Its base is 9 cm long and 6 cm wide. How tall is the box in centimeters?

Answer: _____

10. A toy castle is built from two rectangular blocks stacked together. The bottom block is 4 cm by 3 cm by 2 cm. The top block is 5 cm by 3 cm by 1 cm. What is the total volume in cubic centimeters?

Answer: _____

11. On a coordinate grid, a robot starts at the point (2, 3). It moves 5 units right and then 4 units up. What point is the robot on now? Write it as a coordinate pair.

Answer: _____

12. On a coordinate grid, the library is at (3, 8) and the bus stop is at (3, 2). How many units apart are they?

Answer: _____