

Unit 6: More Decimal and Fraction Operations

PRACTICE • SET 4

Name: _____ Date: _____

Solve each problem. Show your work on scratch paper and write the answer with its unit, giving fractions in simplest form.

1. Maya's jump rope is 3.6 m long. She cuts it into 8 equal pieces for a game. How many centimeters long is each piece?

Answer: _____

3. A rain gauge was checked on 6 days. It caught $\frac{1}{8}$ in on two of the days, $\frac{1}{4}$ in on three of the days, and $\frac{3}{8}$ in on one day. How many inches of rain fell in all?

Answer: _____

5. A ribbon is $4\frac{1}{2}$ feet long. Nia cuts it into 6 equal pieces for name tags. How many inches long is each piece?

Answer: _____

7. A scoop holds $\frac{1}{3}$ cup of dog food. How many full scoops can be filled from 4 cups of dog food?

Answer: _____

9. Priya practices piano for $1\frac{1}{2}$ hours on Monday and 45 minutes on Tuesday. How many minutes does she practice in all?

Answer: _____

2. A water jug holds $1\frac{3}{4}$ L. Omar pours out 600 mL for his team. How many milliliters are still in the jug?

Answer: _____

4. Five cups on a table hold $\frac{1}{2}$ cup, $\frac{3}{4}$ cup, $\frac{1}{2}$ cup, 1 cup, and $\frac{1}{4}$ cup of lemonade. All of it is poured together, then shared equally back into the 5 cups. How much lemonade is in each cup now?

Answer: _____

6. A bag holds $\frac{3}{4}$ kg of birdseed. Leo splits it evenly into 6 small feeders. How many kilograms of birdseed go in each feeder?

Answer: _____

8. The path around a pond is $\frac{2}{5}$ km long. Sam walks $\frac{3}{4}$ of the way around it. How many meters does Sam walk?

Answer: _____

10. A tray holds 6 water bottles. Each bottle has a mass of 0.45 kg. What is the total mass of the 6 bottles in grams?

Answer: _____

11. A pitcher had $2\frac{1}{3}$ cups of juice. Ben used $\frac{5}{6}$ cup to make a smoothie. How many cups of juice are left?

Answer: _____

12. A class measured 10 leaves. The longest leaf was $2\frac{3}{4}$ in and the shortest leaf was $1\frac{1}{8}$ in. How many inches longer was the longest leaf than the shortest one?

Answer: _____