

Unit 6: More Decimal and Fraction Operations

PRACTICE • SET 3

Name: _____ Date: _____

Solve each problem on scratch paper and write your final answer in simplest form.

1. Priya fills 6 water bottles for a hike. Each bottle holds 0.85 liters. How many milliliters of water does she carry in all? (1 liter = 1000 milliliters)

Answer: _____

3. Marco has a ribbon $\frac{3}{4}$ meter long. He cuts it into 6 equal pieces. How long is each piece, in meters?

Answer: _____

5. One batch of granola uses $\frac{2}{3}$ cup of oats. Amir makes only $\frac{3}{4}$ of a batch. How many cups of oats does he use?

Answer: _____

7. A hallway is 4.2 meters long. A rug placed in it is 250 centimeters long. How many centimeters of the hallway are left uncovered? (1 meter = 100 centimeters)

Answer: _____

9. Each song on Dev's playlist lasts $3\frac{1}{2}$ minutes. The playlist has 8 songs. How many seconds long is the whole playlist?

Answer: _____

2. A class measured 8 bean sprouts. The lengths, in inches, were: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{3}{4}$, $\frac{3}{4}$, 1, and 1. If the sprouts were laid end to end, what is the total length in inches?

Answer: _____

4. A scoop holds $\frac{1}{3}$ cup. How many full scoops does it take to move 5 cups of birdseed?

Answer: _____

6. A 2.4 kilogram bag of birdseed is shared evenly among 8 feeders. How many kilograms of seed go in each feeder?

Answer: _____

8. Lena walked $1\frac{3}{10}$ kilometers on Saturday and $2\frac{2}{5}$ kilometers on Sunday. How many meters did she walk in all? (1 kilometer = 1000 meters)

Answer: _____

10. A rain gauge was read on 5 days. The amounts, in inches, were: $\frac{1}{8}$, $\frac{3}{8}$, $\frac{3}{8}$, $\frac{5}{8}$, and $\frac{7}{8}$. What is the difference between the greatest amount and the least amount, in inches?

Answer: _____

11. Three puppies each weigh $\frac{3}{4}$ of a pound. What is their total weight in ounces? (1 pound = 16 ounces)

Answer: _____

12. Five cups of juice were poured with these amounts, in cups: $\frac{1}{2}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{3}{4}$, and 1. If the juice is poured back together and shared equally among the 5 cups, how many cups of juice are in each one?

Answer: _____