

Unit 3: Multiplying and Dividing Fractions

PRACTICE · SET 5

Name: _____ Date: _____

Solve each problem and write your answer in simplest form.

1. A geocaching trail is $\frac{3}{8}$ of a mile long. Nico has walked $\frac{2}{5}$ of the trail. What fraction of a mile has he walked? Give your answer as a fraction.

Answer: _____

3. Compute $\frac{1}{4} \times \frac{1}{6}$.

Answer: _____

5. A sticker is shaped like a rectangle. It is $\frac{5}{6}$ of an inch long and $\frac{3}{4}$ of an inch wide. What is its area in square inches?

Answer: _____

7. Sam has 5 cups of slime. He pours it into jars that each hold $\frac{1}{8}$ of a cup. How many jars does he fill?

Answer: _____

9. A hamster eats $\frac{1}{2}$ of a cup of pellets over 6 days. It eats the same amount each day. How many cups does it eat per day?

Answer: _____

11. Compute $\frac{1}{9} \div 2$.

Answer: _____

2. A seed packet holds $\frac{5}{9}$ of an ounce of seeds. Priya plants $\frac{3}{4}$ of the packet. How many ounces of seeds did she plant?

Answer: _____

4. An aquarium tank is $\frac{7}{10}$ full of water. A pump removes $\frac{2}{3}$ of the water that is in the tank. What fraction of the whole tank was removed?

Answer: _____

6. A drone flies 8 miles. It takes a photo every $\frac{1}{6}$ of a mile. How many $\frac{1}{6}$ -mile sections are in 8 miles?

Answer: _____

8. Compute $12 \div \frac{1}{3}$.

Answer: _____

10. A rock-climbing rope is $\frac{1}{5}$ of a meter too long. The coach cuts that extra piece into 4 equal bits. How long is each bit, in meters?

Answer: _____

12. Mia starts with $\frac{3}{4}$ of a meter of ribbon. She uses $\frac{2}{3}$ of that ribbon on a gift. How many meters of ribbon does she have left?

Answer: _____