

## Divide Fractions Word Problems Worksheets

1. A runner is  $\frac{7}{8}$  mile from the finish line. If she can travel  $\frac{3}{8}$  mile per minute, how long will it take her to finish the race?
  
  
  
  
  
  
  
  
  
  
2. An electrician has 4.1 meters of wire.
  - a. How many strips  $\frac{7}{10}$  m long can he cut?
  
  
  
  
  
  
  
  - b. How much wire will he have left over?
  
  
  
  
  
  
  
  
  
  
3. Molly has  $1\frac{3}{8}$  cups of strawberries. She needs  $\frac{3}{8}$  cup of strawberries to make one batch of muffins. How many batches can Molly make?
  
  
  
  
  
  
  
  
  
  
4. Molly's friend, Xavier, also has  $\frac{11}{8}$  cups of strawberries. He needs  $\frac{3}{4}$  cup of strawberries to make a batch of tarts. How many batches can he make?

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1. A runner is  $\frac{7}{8}$  mile from the finish line. If she can travel  $\frac{3}{8}$  mile per minute, how long will it take her to finish the race?

$$\frac{7}{8} \div \frac{3}{8} = \frac{7}{8} \times \frac{8}{3} = \frac{7}{3} = 2\frac{1}{3}$$

2. An electrician has 4.1 meters of wire.

- a. How many strips  $\frac{7}{10}$  m long can he cut?

$$\frac{41}{10} \div \frac{7}{10} = \frac{41}{10} \times \frac{10}{7} = \frac{41}{7} = 5\frac{6}{7} \quad \text{He cut 5 complete strips.}$$

- b. How much wire will he have left over?

He will have  $\frac{6}{7}$  m left over.

3. Molly has  $1\frac{3}{8}$  cups of strawberries. She needs  $\frac{3}{8}$  cup of strawberries to make one batch of muffins. How many batches can Molly make?

$$\frac{11}{8} \div \frac{3}{8} = \frac{11}{8} \times \frac{8}{3} = \frac{11}{3} = 3\frac{2}{3}$$

4. Molly's friend, Xavier, also has  $\frac{11}{8}$  cups of strawberries. He needs  $\frac{3}{4}$  cup of strawberries to make a batch of tarts. How many batches can he make?

$$\frac{11}{8} \div \frac{3}{4} = \frac{11}{8} \times \frac{4}{3} = \frac{11}{6} = 1\frac{5}{6}$$