

## Multiplying fractions by whole numbers

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### Grade 4 Word Problems Worksheet

1. Each book of a series is  $\frac{5}{8}$  inch thick. If there are 5 books in the series, how thick is the series?
  
  
  
  
  
  
  
  
  
  
2. It takes a week to build  $\frac{2}{35}$  of a bridge. How much of the bridge will be done after 10 weeks?
  
  
  
  
  
  
  
  
  
  
3. It takes one minute for Jay to swim  $\frac{3}{5}$  of a lap of the swimming pool. How many laps can he swim in 15 minutes?



4. Emily is having a bad cold. She uses up  $\frac{3}{5}$  of a box of tissues every day. How many boxes of tissues does she need to buy if she expects the cold to last for 7 days? How many boxes does she need to buy so she doesn't run out of tissues?
5. A famous writer writes  $\frac{3}{11}$  of a book in a year. How many books can he completely finish in 8 years?

## Answers

1.  $\frac{2}{7} \times 7 = 2$

He spent 2 hours in a week working on the garden.

2.  $\frac{2}{13} \times 6 = \frac{12}{13}$

He uses  $\frac{12}{13}$  bag of seeds for 6 acres of land.

3.  $\frac{9}{10} \times 4 = \frac{36}{10} = \frac{18}{5} = 3\frac{3}{5}$

He uses  $3\frac{3}{5}$  bag of seeds.

4.  $\frac{2}{3} \times 4 = \frac{8}{3} = 2\frac{2}{3}$

$2\frac{2}{3}$  is between 2 and 3.

So, grandma needs to buy 3 pumpkins.

5.  $\frac{5}{8} \times 10 = \frac{50}{8} = \frac{25}{4} = 6\frac{1}{4}$

$6\frac{1}{4}$  is between 6 and 7.

So, Jack needs to buy 7 medium-sized potatoes.