

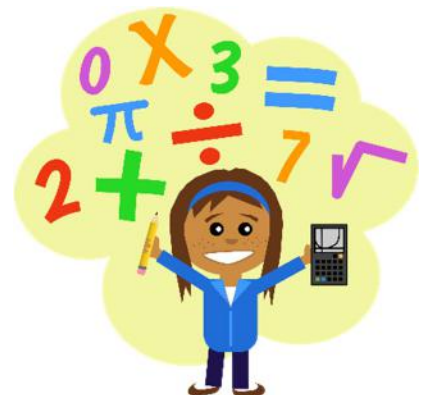
Multiplying fractions by whole numbers

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. $\frac{5}{8} \times 5 = \frac{25}{8} = 3\frac{1}{8}$

The total thickness of the 5 books in the series is $3\frac{1}{8}$ inches.

2. $\frac{2}{35} \times 10 = \frac{20}{35} = \frac{4}{7}$

After 10 weeks, $\frac{4}{7}$ of the bridge will be completed.

3. $\frac{3}{5} \times 15 = \frac{45}{5} = 9$

Jay can swim **9 laps** in 15 minutes.

4. $\frac{3}{5} \times 7 = \frac{21}{5} = 4\frac{1}{5}$

Emily will use $4\frac{1}{5}$ boxes of tissues in 7 days. Since $4\frac{1}{5}$ is between 4 and 5, she needs to buy **5 boxes** so she doesn't run out.

5. $\frac{3}{11} \times 8 = \frac{24}{11} = 2\frac{2}{11}$

He can completely finish **2 books** (with $\frac{2}{11}$ of a book left).