

## Dividing Fractions

Think: How many of one fraction are in the other fraction?

Example: Rick knows that 1 cup of glue weighs  $\frac{1}{18}$  pound. He has  $\frac{2}{3}$  pound of glue. How many cups of glue does he have?

Think: How many  $\frac{1}{18}$  pound are  $\frac{2}{3}$  in pound?

$$\text{So } \frac{2}{3} \div \frac{1}{18}.$$

$$\frac{2}{3} \times \frac{18}{1} = \frac{36}{3} = 12 \text{ cups}$$

Don't forget to Keep, Change, Flip!

Don't forget to simplify your answers!

<p>1. Monique made <math>\frac{5}{8}</math> pound of trail mix and divided the mix into 4 equal portions. What is the weight of each portion?</p>	<p>2. Sung Lee studied for 4 hours. If he studies <math>\frac{2}{3}</math> of an hour for each class, how many classes does he have?</p>
<p>3. Joanne has <math>\frac{9}{10}</math> yard of fabric that she wants to divide into 3 equal pieces. How long should each piece be?</p>	<p>4. Jayson takes a total of 5 hours at swimming lesson per week. If each lesson is <math>\frac{5}{6}</math> of an hour, how many lessons does he take per week?</p>
<p>5. Matt takes him <math>\frac{1}{4}</math> hour to mow a yard. How many yards can he mow in <math>\frac{17}{4}</math> hours?</p>	<p>6. Anna has <math>\frac{4}{5}</math> pound of cookies. She places the cookies into bags that hold <math>\frac{1}{10}</math> pound each. How many bags does she fill?</p>