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?

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

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

Don't forget to Keep, Change, Flip!

Don't forget to simplify your answers!

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

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