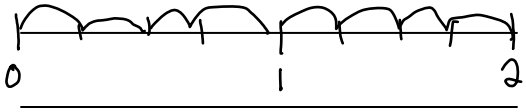
Measurement division: Find the number of sets. For each of the following problems, draw a picture to help you compute each of the following fraction division problems.

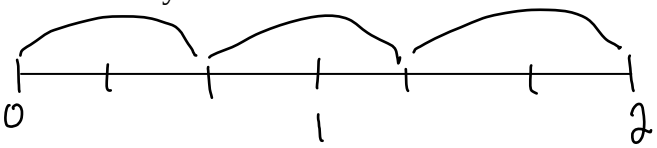
1. How many 1/4 are there in 2?



8

$2 \div \frac{1}{4} = 2 \times 4 = 8$

2. How many 2/3 are there in 2?



3

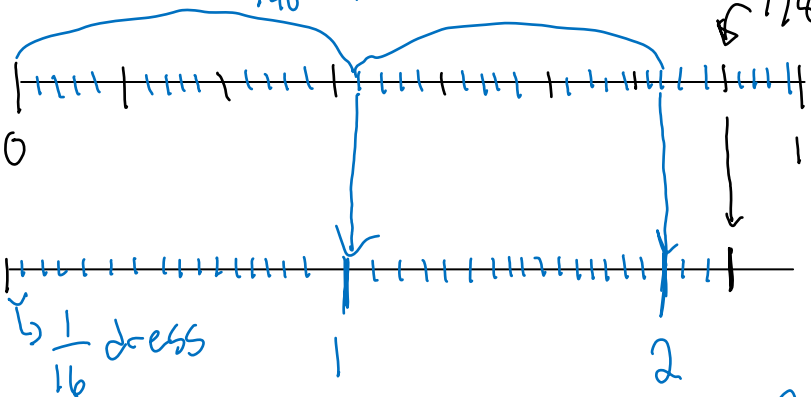
$2 \div \frac{2}{3} = \frac{6}{3} \div \frac{2}{3} = 6 \div 2 = \frac{6 \div 2}{1} = 3$

3. Jerome has a 3 pound bag of candy, and he makes 1/4 lb. bags of candy to sell at the school fair. How many bags can he make?

$3 \div \frac{1}{4} = 12$

Bonus extra example! (1-3 were too easy)

Kendra has 7/8 yards of fabric. It takes 2/5 yards to make a doll dress. How many doll dresses can she make? $16/40 = 2/5$



$\frac{7 \times 5}{8 \times 5} = \frac{35}{40}$

$\frac{2 \times 8}{5 \times 8} = \frac{16}{40}$

$2\frac{3}{16}$ dresses

2 dresses and $\frac{3}{16}$ as much as you need to make another dress

$\frac{35}{40} \div \frac{16}{40} = \frac{35}{16} = 2\frac{3}{16}$