

Name: Key
Date: _____

Mr. Johnson
Math 8

Lesson 3.5 – Dividing Whole Numbers and Fractions

Investigate:

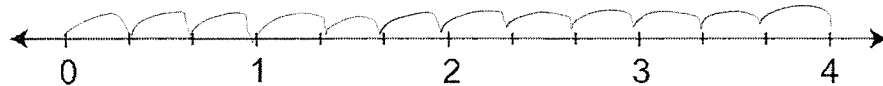
Complete the Investigate activity with the two copies that are attached to this page. You may work with a partner or work alone.

Notes:

We can model the division of whole numbers/fractions by using a number line or by using fraction circles. We will demonstrate both and you can pick which one works best for you!

Method #1: Using a number line

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

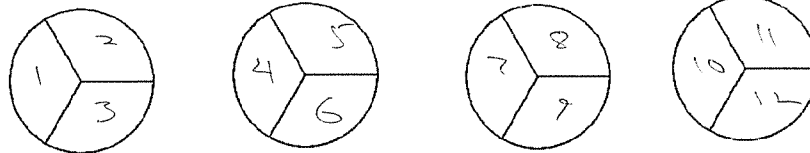


Think of the above question as: How many $\frac{1}{3}$ are there in the number 4. $= 12$

Therefore, we break the number line into thirds as stated above. Simply count how many thirds there are. Our solution is 12.

Method #2: Using fraction circles

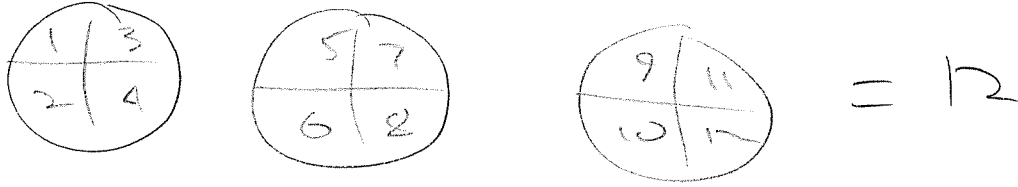
$$4 \div \frac{1}{3}$$



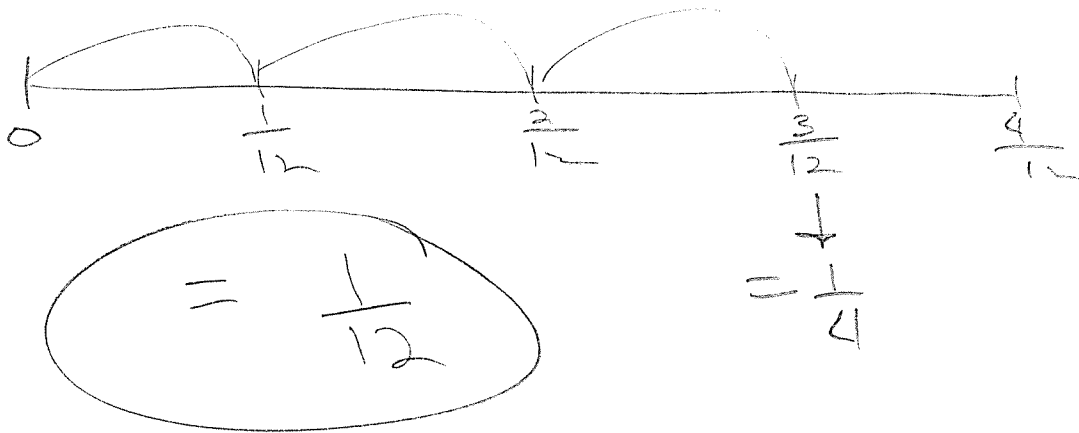
This time we'll see how many thirds there are in our fraction circles. Simply count the number of thirds and our solution is still 12.

Examples:

#1: Using the model of your choice divide: $3 \div \frac{1}{4}$



#2: Using the model of your choice divide: $\frac{1}{4} \div 3$



Assignment:

Pg. 132-134,
#s 3-13