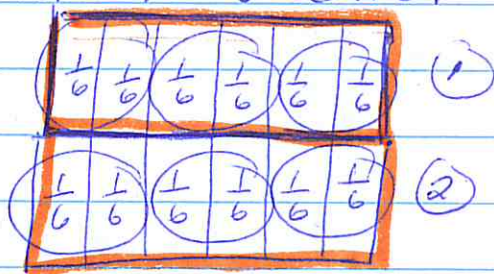


## Using Models to Divide Whole Numbers and Fractions

①  $2 \div \frac{2}{6} = \boxed{\phantom{00}}$

How many groups of  $\frac{2}{6}$  are in 2 whole?

- Draw 2 whole
- Make  $\frac{1}{6}$  section in each
- Group  $\frac{2}{6}$  sections
- Count How Many?



There are 6 pieces groups of  $\frac{2}{6} + k$

Algorithm  $\Rightarrow 2 \div \frac{2}{6} = \frac{2}{1} \div \frac{2}{6} = \frac{2}{1} \cdot \frac{6}{2} = \frac{12}{2} = 6 \Rightarrow$

②  $\frac{1}{2} \div 3 = \square$

Algorithm:  $\frac{1}{2} \div 3 = \frac{1}{2} \div \frac{3}{1} = \frac{1}{2} \cdot \frac{1}{3} = \frac{1}{6}$

Tom had a half of a giant candy bar and wants to split it between two friends and himself. How much will each person get? Use a model to show.

|               |   | $\frac{1}{2}$ | $\frac{1}{2}$ |
|---------------|---|---------------|---------------|
| $\frac{1}{3}$ | 1 | $\frac{1}{6}$ | $\frac{1}{6}$ |
|               | 2 | $\frac{1}{6}$ | $\frac{1}{6}$ |
|               | 3 | $\frac{1}{6}$ | $\frac{1}{6}$ |

- Draw a big curly bar
- cut it in  $\frac{1}{2}$
- Cross out what isn't being used.

- Divide the remaining part ~~into~~ in 3 to share.

How much did each  
boy GET?  
What is each  
section  
worth?

How many pieces were there altogether?