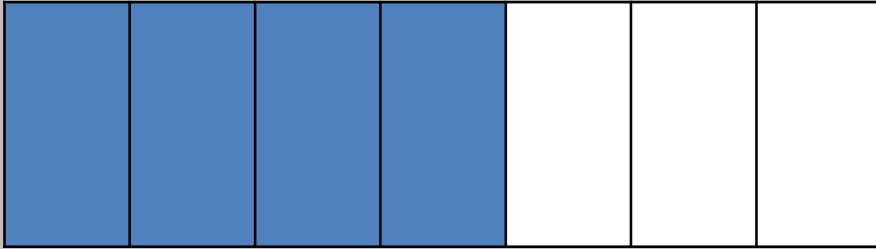


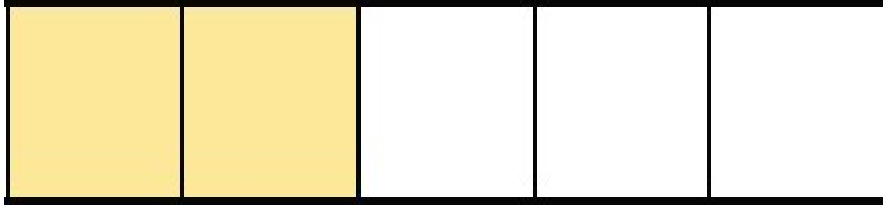
## LO: Calculating with fractions



$$\frac{4}{7} \div 2 =$$

Can you come up with another example (where the **numerator** is divisible by the **integer**)?

## Chunk 1: Dividing fractions by integers



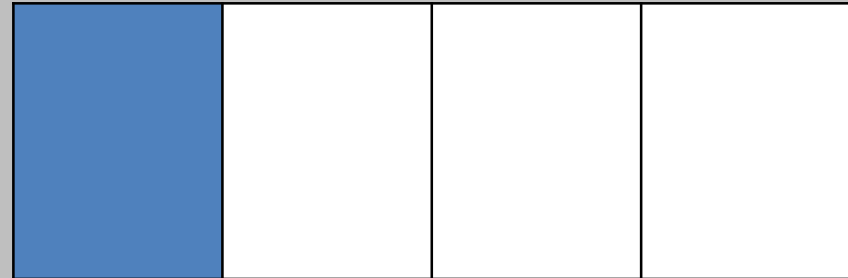
$$\frac{2}{5} \div 2 =$$

But what happens if the **numerator** is not divisible by the **integer**?

What's different?

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

What might you do to this image to represent this?

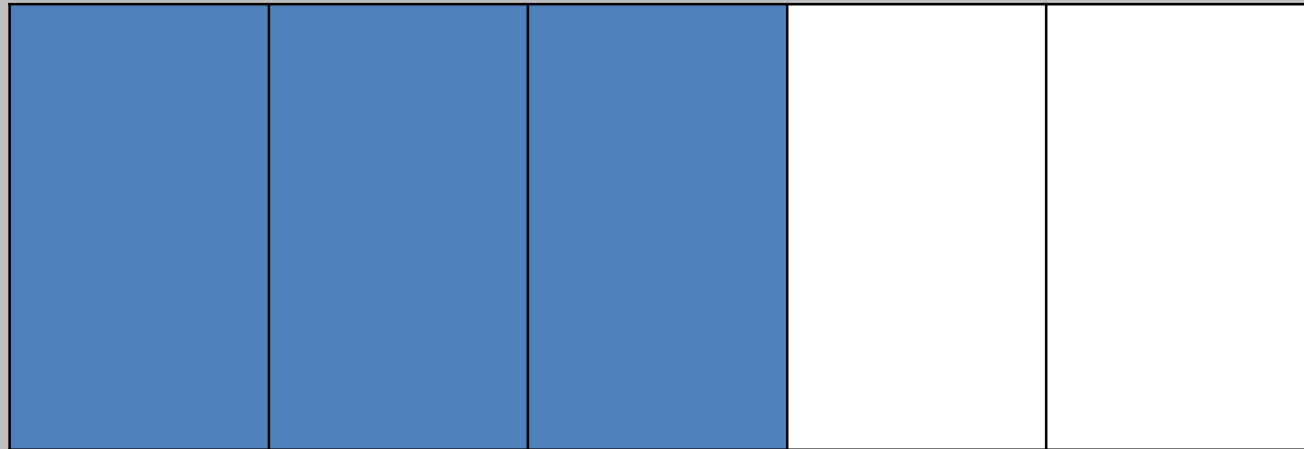


What has happened to  
the numerator?  
Denominator?

What might you do to this image to represent this?

What has happened to the numerator?  
Denominator?

$$\frac{3}{5} \div 4 =$$



# Chunk 1: Your Turn

a)  $\frac{3}{7} \div 4$

b)  $\frac{7}{9} \div 3$

c)  $\frac{3}{8} \div 5$

 **Dive  
Deeper**

**DRAW IT!**

Can you prove  
your  
understanding  
by drawing an  
image?

# Chunk 1: Answers

a)  $\frac{3}{7} \div 4$

b)  $\frac{7}{9} \div 3$

c)  $\frac{3}{8} \div 5$

∴ Dive  
Deeper

**DRAW IT!**

Can you prove your understanding by drawing an image?

## Chunk 2: Ordering fractions

$$\frac{6}{5}$$

$$\frac{3}{5}$$

$$\frac{3}{4}$$

Write these fractions in order, starting with the **smallest**.

**smallest**

## Chunk 2: Your Turn

a)  $\frac{4}{3}$        $\frac{11}{15}$        $\frac{3}{5}$

b)  $\frac{2}{6}$        $\frac{1}{4}$        $\frac{3}{8}$

c)  $2\frac{1}{5}$        $2\frac{3}{8}$        $\frac{18}{10}$

∴ Dive  
Deeper

CHOOSE IT!  
Can you find your own way of showing a deeper understanding?

Put these in order, smallest first.



## Chunk 2: Answers

∴ Dive  
Deeper

a)  $\frac{3}{5}$     $\frac{11}{15}$     $\frac{4}{3}$

b)  $\frac{1}{4}$     $\frac{2}{6}$     $\frac{3}{8}$

c)  $\frac{18}{10}$     $2\frac{1}{5}$     $2\frac{3}{8}$

## Chunk 3: Finding fractions of numbers

The school kitchen has 48 kg of potatoes. They use  $\frac{5}{8}$  to make mash potato for lunch.

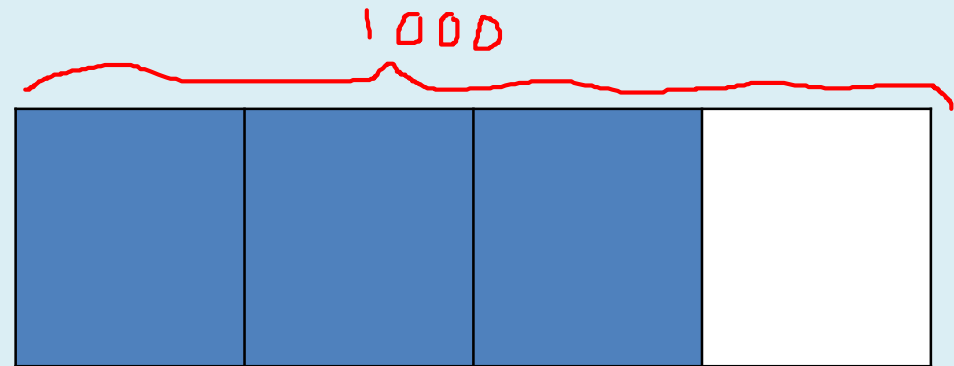
How much potato do they have left?

Use the bar model to find the answer to this question.



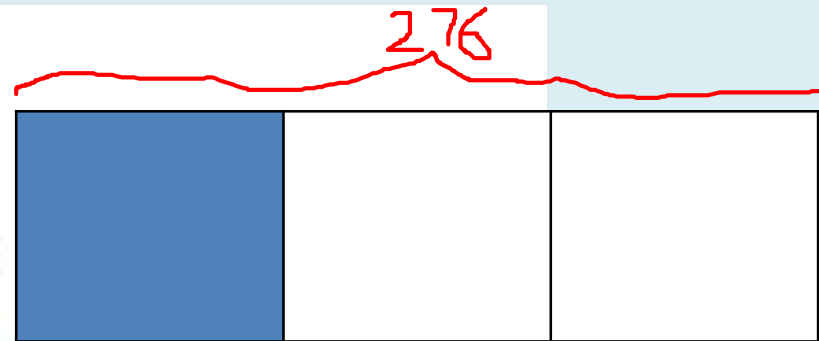
How could we represent this?

$$\frac{3}{4} \text{ of } 1,000 =$$



A book has 276 pages.

Amina has read  $\frac{1}{3}$  of the book.



How many pages are **left** for Amina to read?

## Chunk 3: Your Turn

a)  $\frac{5}{6}$  of 636

b)  $\frac{2}{7}$  of 763

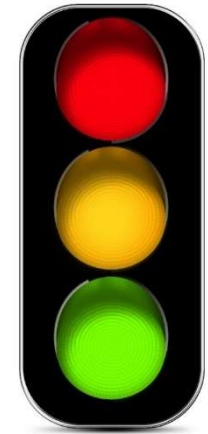
c)  $\frac{\square}{6}$  of 612 =  $\frac{1}{2}$  of 204



**DRAW IT!**

Can you prove  
your  
understanding  
by drawing an  
image?

# Plenary



Think of a 'handy hint' that will help you to remember how to:

- Divide fractions
- Order fractions
- Find fractions of amounts

Tell someone at home your 'handy hints'. It will help them to stick in your head, too!