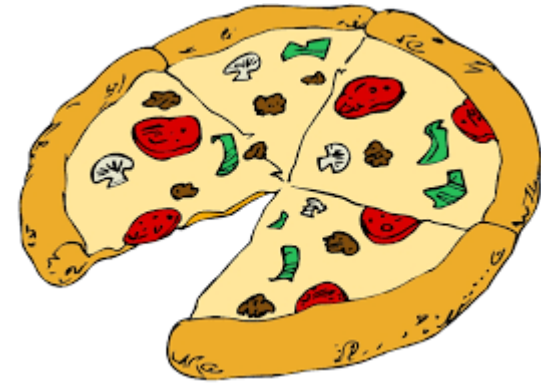


01.03.21

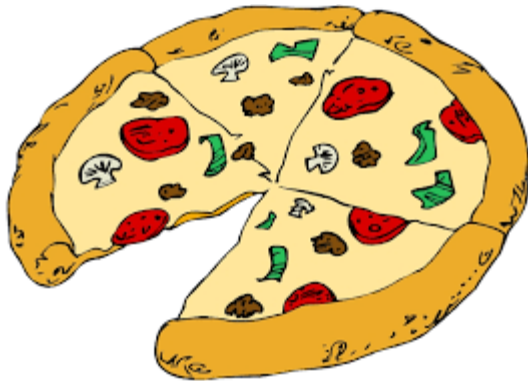


WALT:

Understand how to use a  
fraction wall

# Key Vocabulary

- Fraction
- Unit fraction
- Non-unit fraction
  
- Numerator
- Denominator
  
- Equal
- Share
- Divide



# Sentence Starters

Maths sentence starters



Use these sentence starters to help you to explain your understanding of the maths explored to others :

The first thing I did was ...

I already knew ... so ...

I noticed that ...

I compared ...

The strategy that helped me to understand this idea was ...

Another strategy I could use would be ...

Once I found out ... I could then ...

It didn't work when I ... so I ...

The part I found the most difficult was ... because ...

The part I found the easiest was ... because ...

I could check that my calculations were accurate by ...

It could be ... because ...

It couldn't be ... because ...

I can prove my thinking by ...

When you are evaluating your learning at the end of the session to say how well you did in comparison to the WALT, you might like to use the following sentence starters :

Today's lesson helped me to understand ...

I am proud because ...

To help me to understand this more, I need to ...

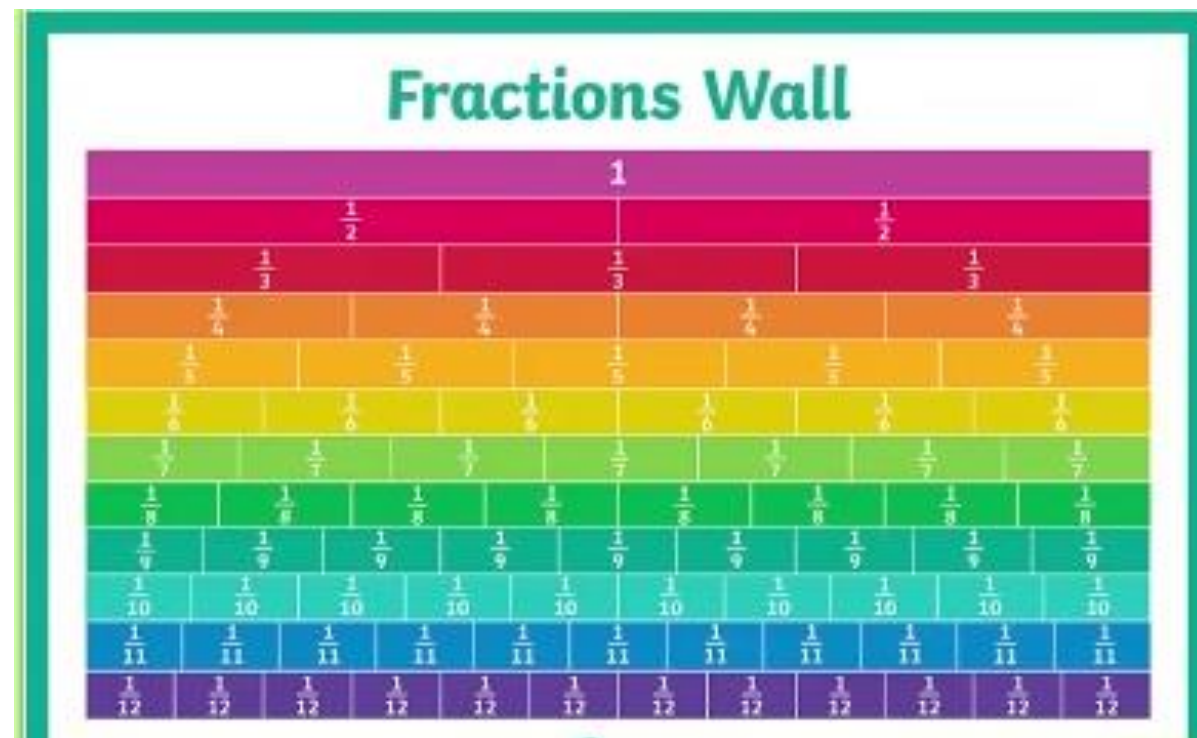
I would use this in real life when ...

A career where this skill might be useful maybe ...

What does a fraction wall tell us?

Watch this video...

<https://youtu.be/8Lp0xrtq0co>



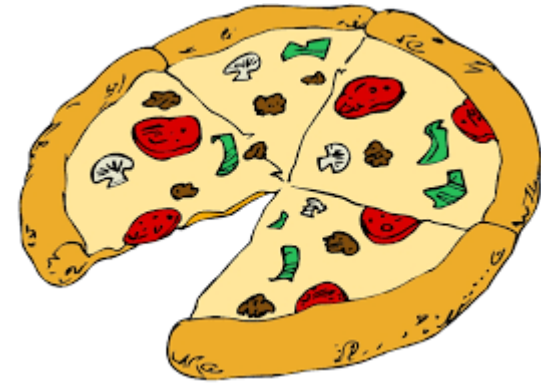
# Task...

Complete the fraction wall so that you can use it as a resource this week.

Challenge: Can you identify and write down any equivalent fractions using your completed wall?

[illegible]

02.03.21

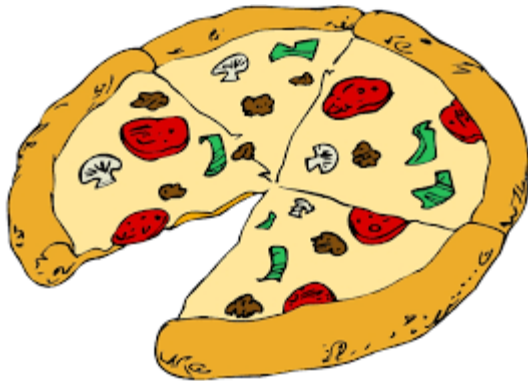


WALT:

Recognise equivalent fractions  
(denominators multiples of  
each other)

# Key Vocabulary

- Fraction
- Unit fraction
- Non-unit fraction
  
- Numerator
- Denominator
  
- Equal
- Share
- Divide



# Sentence Starters

Maths sentence starters



Use these sentence starters to help you to explain your understanding of the maths explored to others :

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I already knew ... so ...

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I compared ...

The strategy that helped me to understand this idea was ...

Another strategy I could use would be ...

Once I found out ... I could then ...

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The part I found the most difficult was ... because ...

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I could check that my calculations were accurate by ...

It could be ... because ...

It couldn't be ... because ...

I can prove my thinking by ...

When you are evaluating your learning at the end of the session to say how well you did in comparison to the WALT, you might like to use the following sentence starters :

Today's lesson helped me to understand ...

I am proud because ...

To help me to understand this more, I need to ...

I would use this in real life when ...

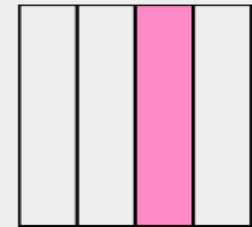
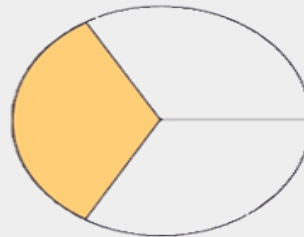
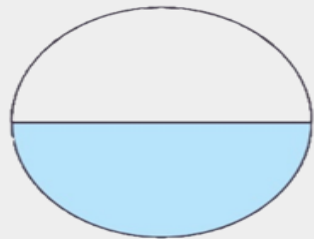
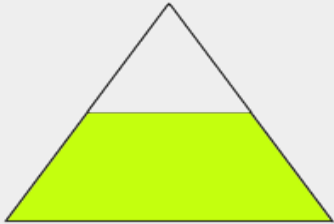
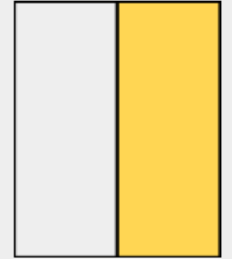
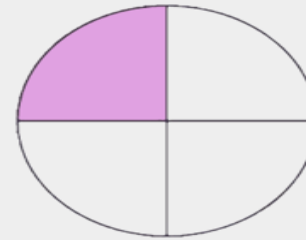
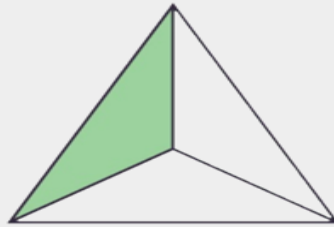
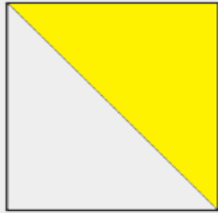
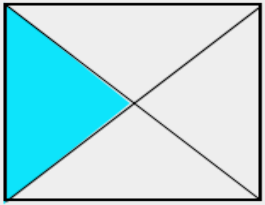
A career where this skill might be useful maybe ...

Match the images to these fractions:

$$\frac{1}{2}$$

$$\frac{1}{4}$$

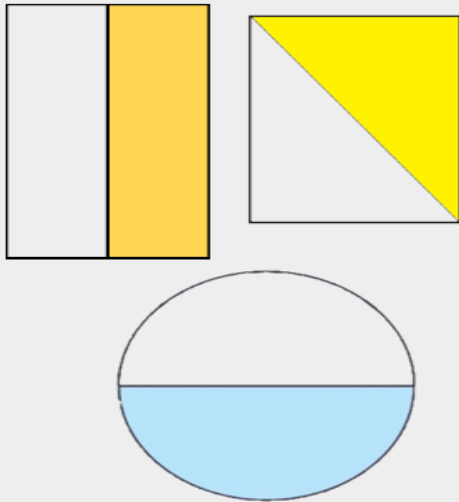
$$\frac{1}{3}$$



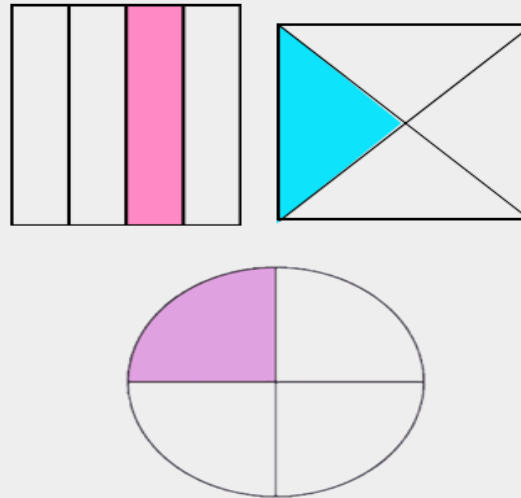
Do they all match up? Explain why/why not.

Match the images to these fractions:

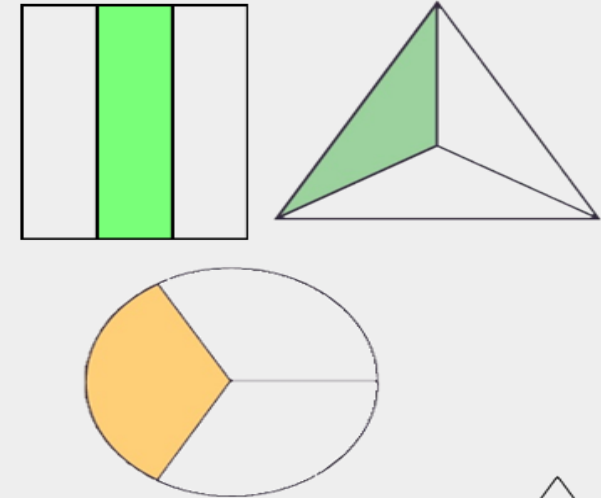
$$\frac{1}{2}$$



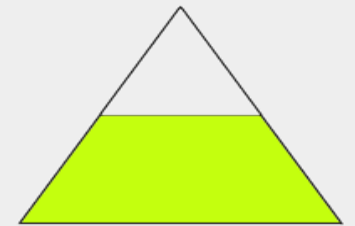
$$\frac{1}{4}$$



$$\frac{1}{3}$$



Do they all match up? Explain why/why not.



This shape does not match as it has not been split into 2 equal parts.

Complete the statement to match the image.



$$\frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$$

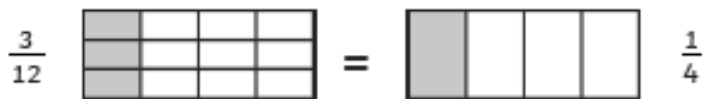
Complete the statement to match the image.



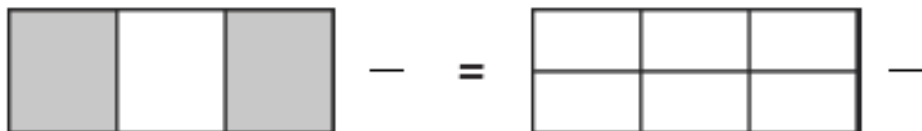
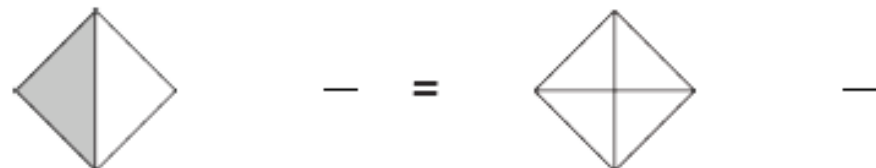
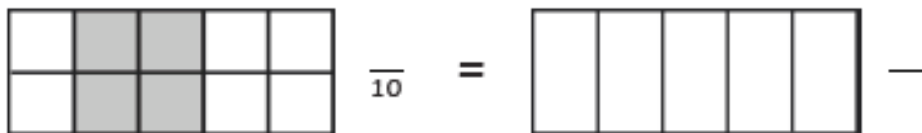
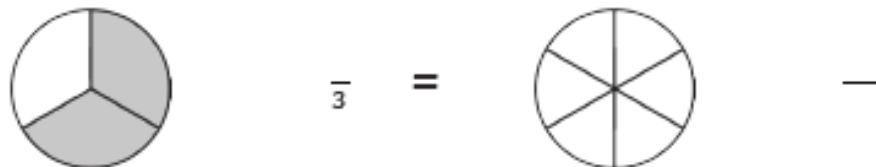
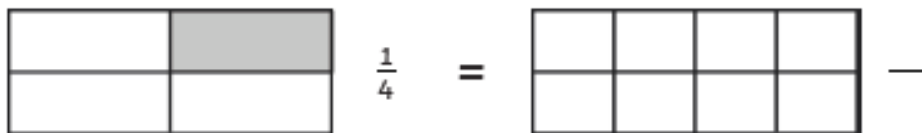
$$\frac{\boxed{1}}{\boxed{3}} = \frac{\boxed{2}}{\boxed{6}} = \frac{\boxed{3}}{\boxed{9}}$$

# Equivalent Fractions

These fractions are equivalent. The rectangles are the same. The amount shaded is equivalent.



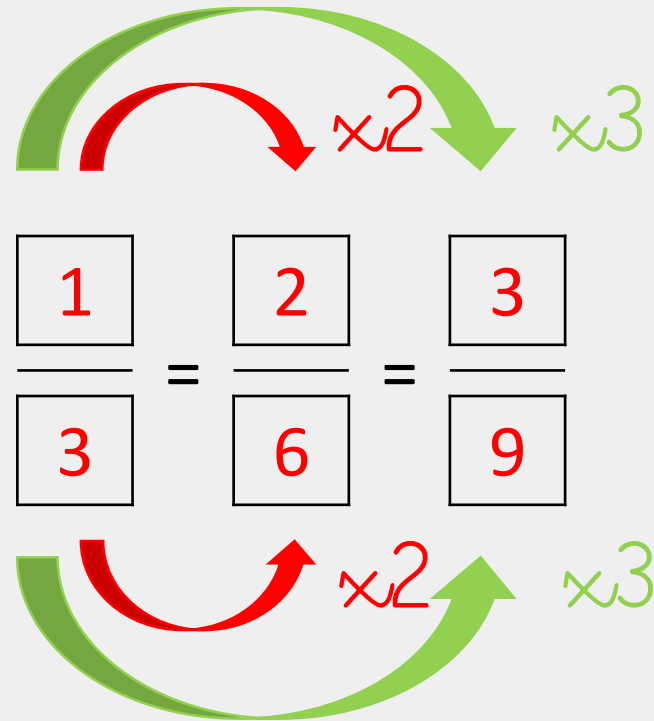
Shade the second shape to be equivalent to the first and write the equivalent fractions.



## Fluency A

1. Identify the fraction which is shaded in the first shape.
2. Colour in an equivalent fraction in the second shape.
3. Record the equivalent fraction next to the second shape.

What do you notice about the relationship between the fractions?



You can use known multiples to help you calculate equivalent fractions.

Find the pair of equivalent fractions.

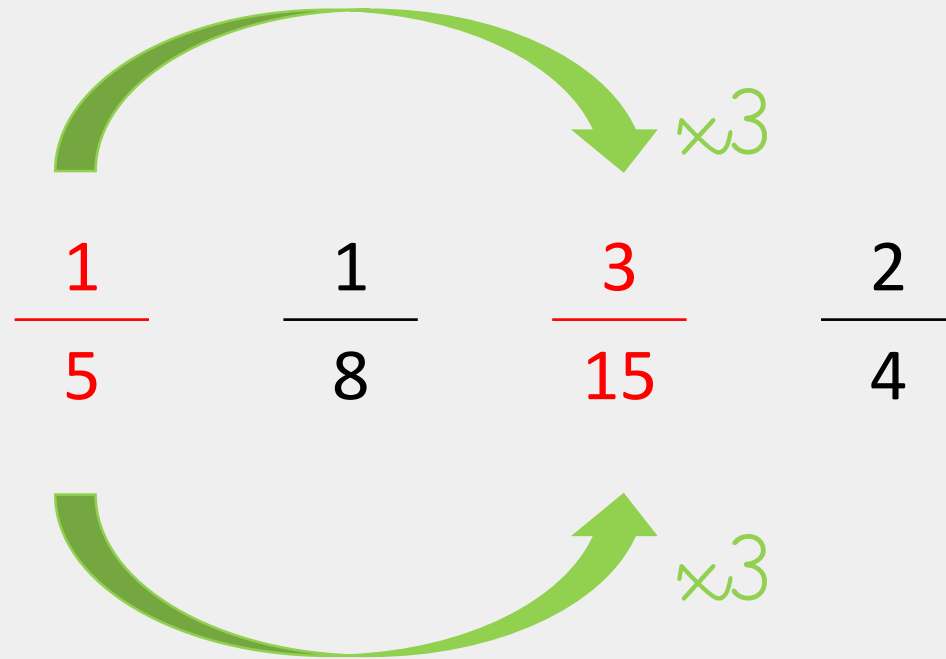
$$\frac{1}{5}$$

$$\frac{1}{8}$$

$$\frac{3}{15}$$

$$\frac{2}{4}$$

Find the pair of equivalent fractions.



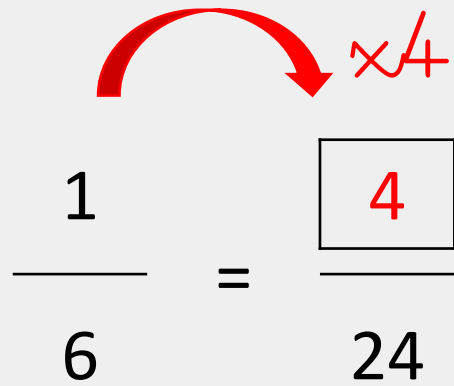
Complete the statements.

$$\frac{1}{6} = \frac{\boxed{\phantom{000}}}{24}$$



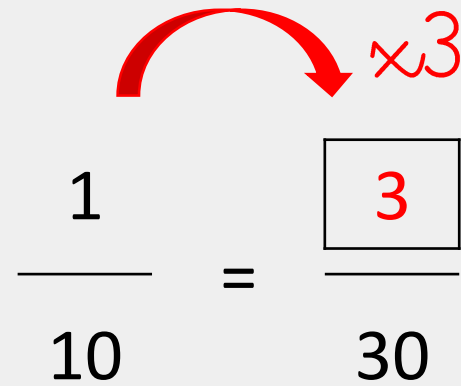
$$\frac{1}{10} = \frac{\boxed{\phantom{000}}}{30}$$

Complete the statements.



$\frac{1}{6} = \frac{\boxed{4}}{24}$

A red curved arrow points from the numerator 1 to the boxed number 4, labeled with  $\times 4$ . Another red curved arrow points from the denominator 6 to the number 24, also labeled with  $\times 4$ .



$\frac{1}{10} = \frac{\boxed{3}}{30}$

A red curved arrow points from the numerator 1 to the boxed number 3, labeled with  $\times 3$ . Another red curved arrow points from the denominator 10 to the number 30, also labeled with  $\times 3$ .

# Fluency B

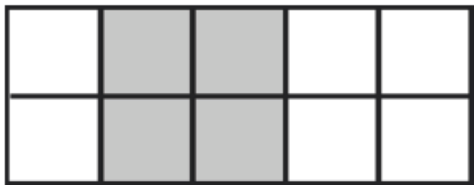
1. Identify the fraction which is shaded in the first shape.
2. Colour in an equivalent fraction in the second shape.
3. Record the equivalent fraction next to the second shape.



\_\_\_\_\_

=

\_\_\_\_\_



\_\_\_\_\_

=

\_\_\_\_\_



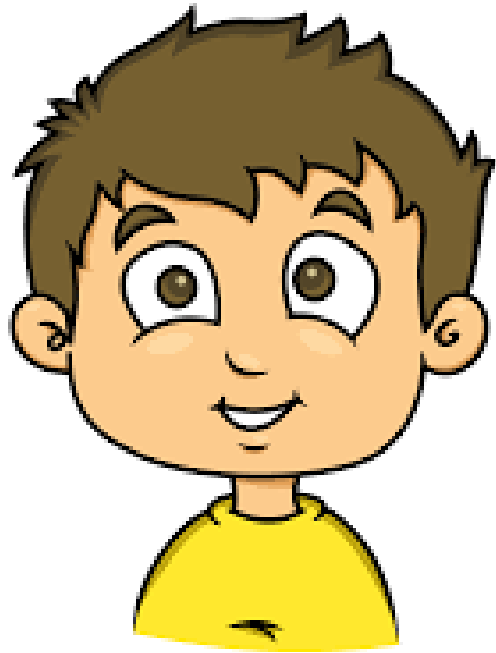
4. Complete the statements...

$$\frac{1}{3} = \frac{\boxed{\phantom{00}}}{30}$$

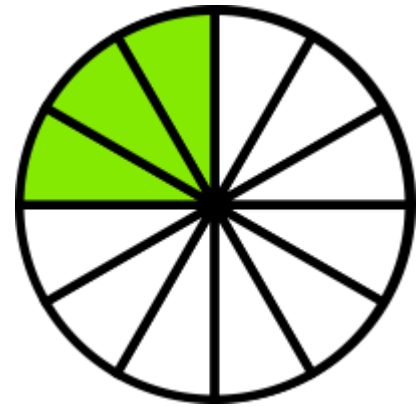
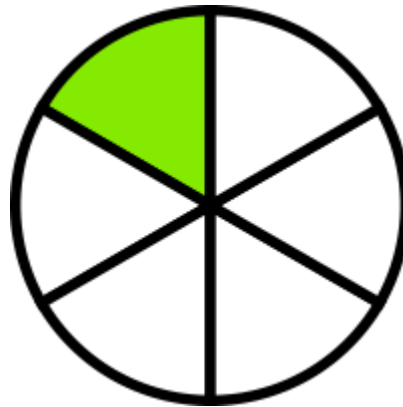
$$\frac{2}{5} = \frac{\boxed{\phantom{00}}}{20}$$

$$\frac{3}{4} = \frac{\boxed{\phantom{00}}}{16}$$

## Reasoning



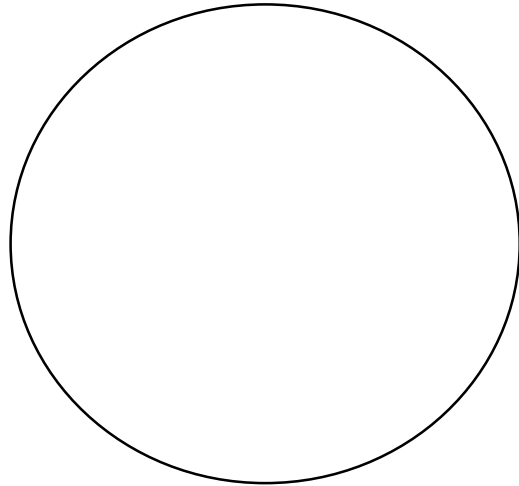
I think that  $\frac{1}{6}$  is  
equivalent to  $\frac{3}{12}$ .



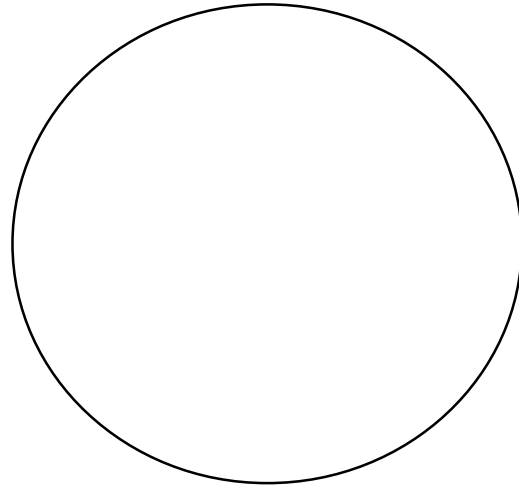
Is he correct? Explain why.

# Problem Solving

Equivalent to  
a quarter



Equivalent to  
a third



$$\frac{2}{6}$$

$$\frac{4}{8}$$

$$\frac{3}{12}$$

$$\frac{5}{20}$$

$$\frac{5}{15}$$

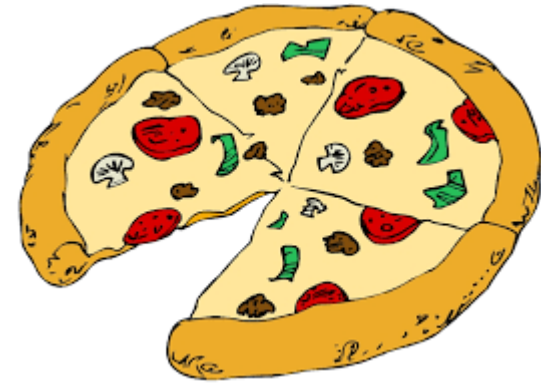
$$\frac{2}{8}$$

Sort the fractions  
into the correct  
circle.

Are there any  
fractions that don't  
fit in the circles?

Please show  
working out in  
your books.

03.03.21

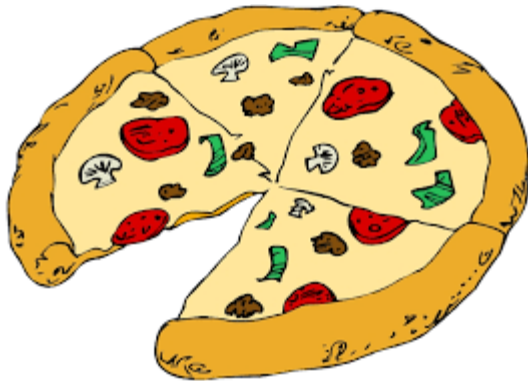


WALT:

Compare a set of unit fractions

# Key Vocabulary

- Fraction
- Unit fraction
- Non-unit fraction
  
- Numerator
- Denominator
  
- Equal
- Share
- Divide



# Sentence Starters

Maths sentence starters



Use these sentence starters to help you to explain your understanding of the maths explored to others :

The first thing I did was ...

I already knew ... so ...

I noticed that ...

I compared ...

The strategy that helped me to understand this idea was ...

Another strategy I could use would be ...

Once I found out ... I could then ...

It didn't work when I ... so I ...

The part I found the most difficult was ... because ...

The part I found the easiest was ... because ...

I could check that my calculations were accurate by ...

It could be ... because ...

It couldn't be ... because ...

I can prove my thinking by ...

When you are evaluating your learning at the end of the session to say how well you did in comparison to the WALT, you might like to use the following sentence starters :

Today's lesson helped me to understand ...

I am proud because ...

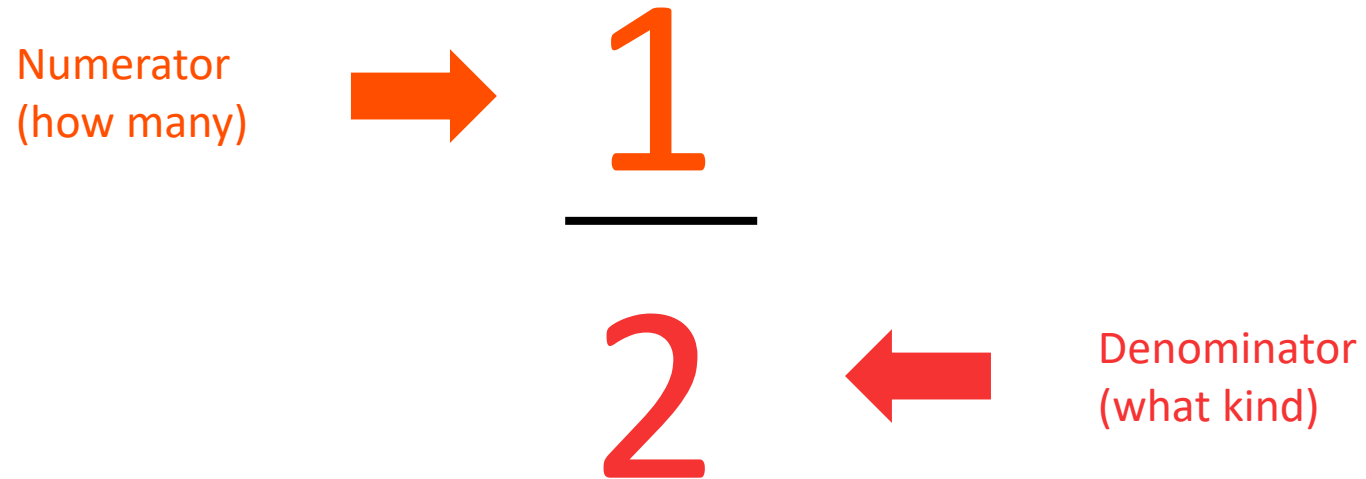
To help me to understand this more, I need to ...

I would use this in real life when ...

A career where this skill might be useful maybe ...

# Unit Fractions

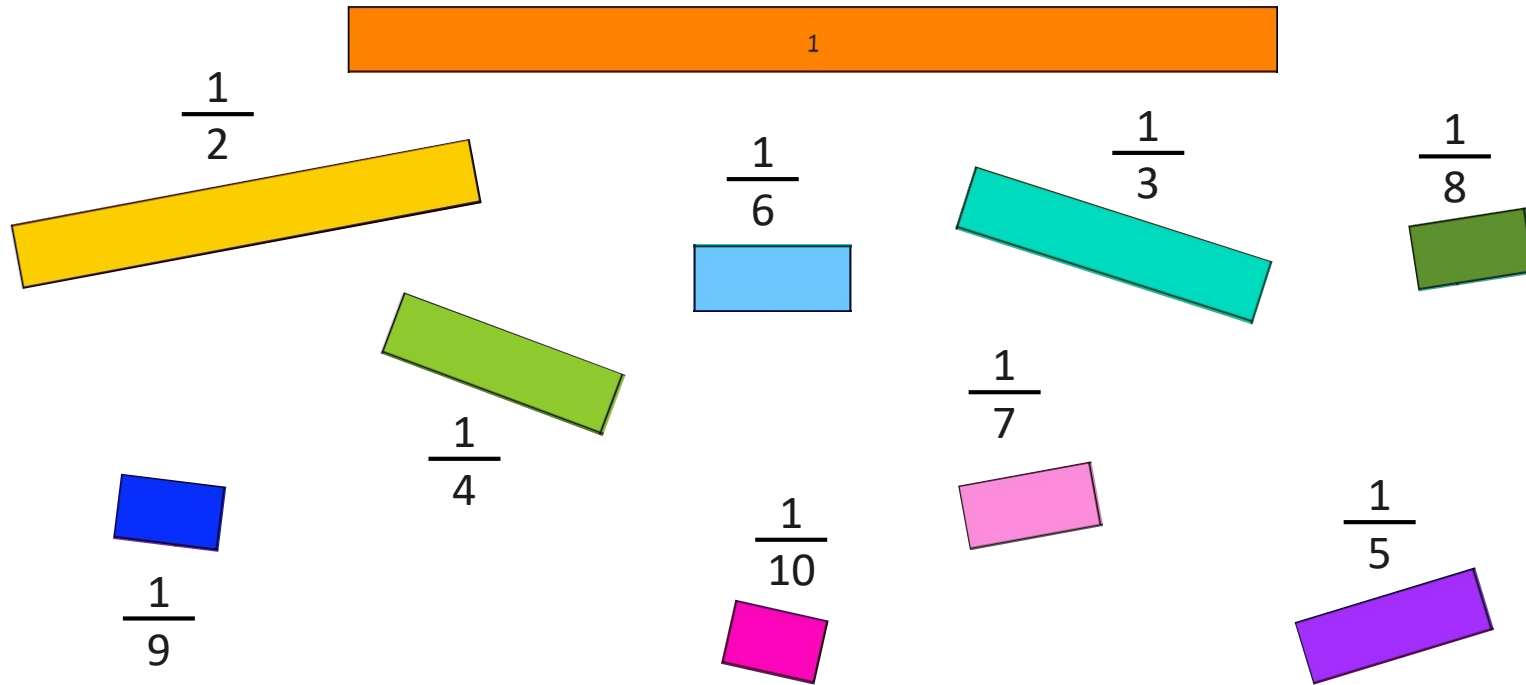
A unit fraction is a fraction with a numerator of 1.



$\frac{1}{3}$     $\frac{1}{100}$     $\frac{1}{25}$     $\frac{1}{5}$     $\frac{1}{50}$     $\frac{1}{7}$     $\frac{1}{1}$     $\frac{1}{4}$     $\frac{1}{20}$     $\frac{1}{8}$     $\frac{1}{10}$

# Fraction Line-Up

Can you label each fraction strip to show what fraction it represents?

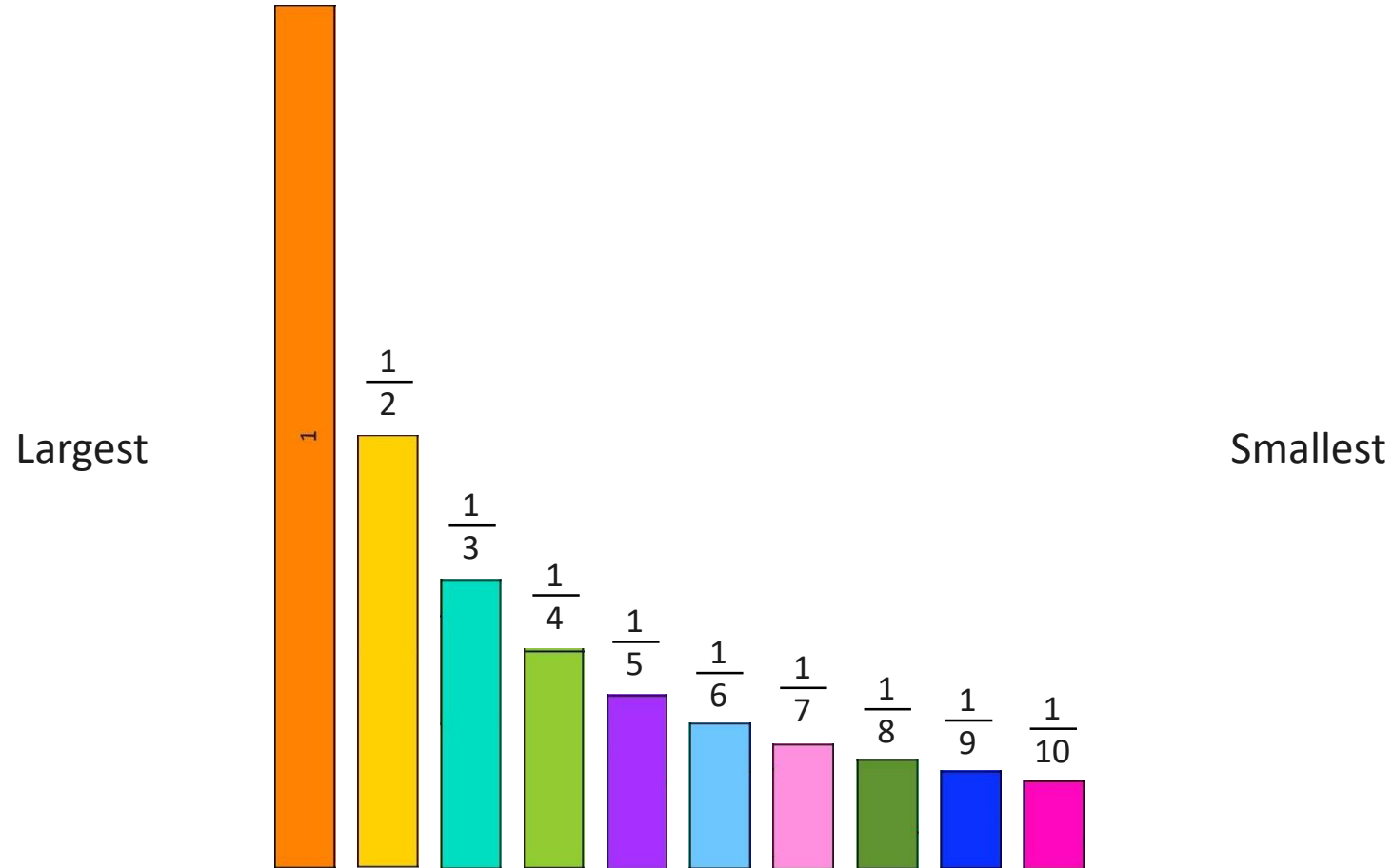


Put your fractions in size order from smallest to largest.

# Fraction Line-Up



Put your fractions in size order from smallest to largest.  
What do you notice about the order of the fractions?



# Use your fraction wall to help you...



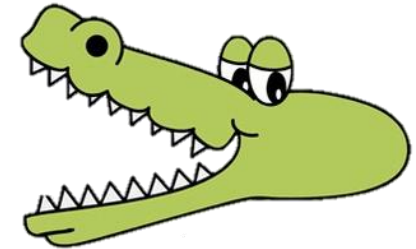
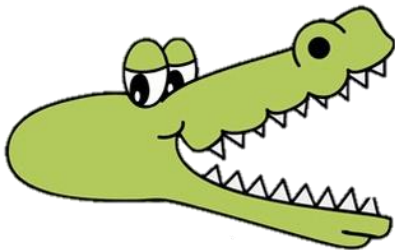
Which symbols can we use to compare the value of fractions?

$$\frac{1}{2} > \frac{1}{4}$$

$$\frac{1}{10} < \frac{1}{5}$$

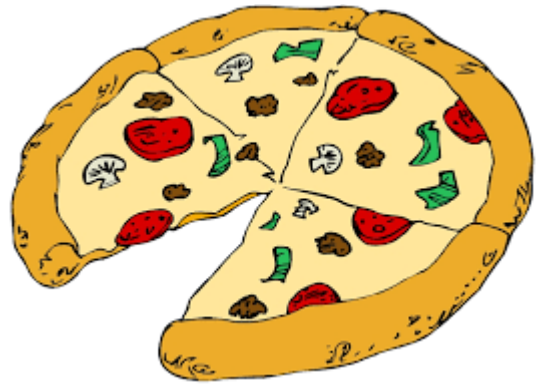
$$\frac{1}{3} < \frac{1}{2}$$

$$\frac{1}{8} > \frac{1}{9}$$



## Fluency

Write in the correct symbol for the following fractions.  
Use your fraction wall to help you!



$$\frac{1}{3} \square \frac{1}{5}$$

$$\frac{1}{12} \square \frac{1}{4}$$

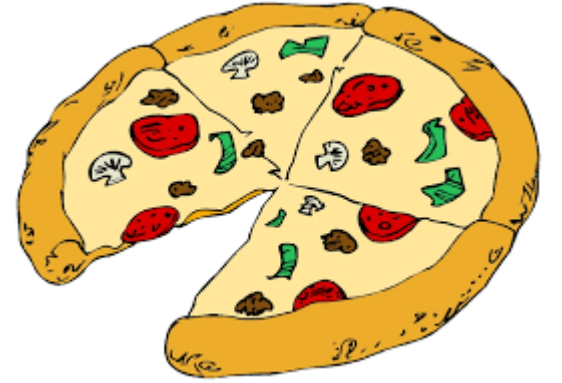
$$\frac{1}{2} \square \frac{1}{10}$$

$$\frac{1}{8} \square \frac{1}{7}$$

Now order the following fractions from **SMALLEST** TO **LARGEST**...

$$\frac{1}{6} \quad \frac{1}{4} \quad \frac{1}{7} \quad \frac{1}{1} \quad \frac{1}{9} \quad \frac{1}{100}$$

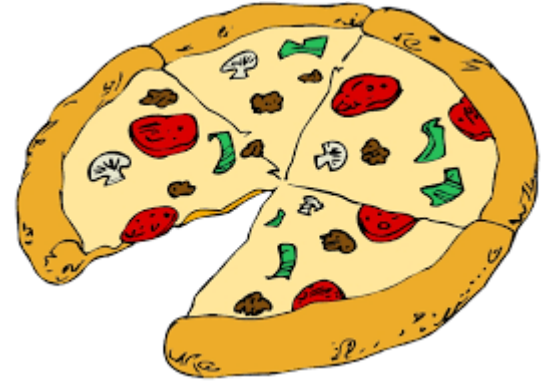
Reasoning



Ella-Mae thinks that  $\frac{1}{8}$  is greater than  $\frac{1}{4}$  .

Do you agree? Convince me.

## Problem Solving

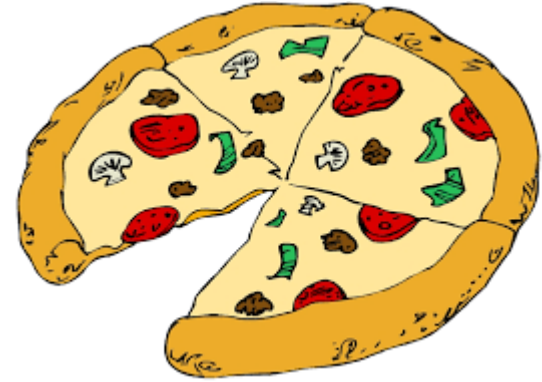


In your book, draw 4 rectangles of the same size.

Can you divide and shade the rectangles to show how to order some fractions with the same denominator from smallest to largest?

Explain how you completed this task using your sentence starters and maths vocabulary.

04.03.21

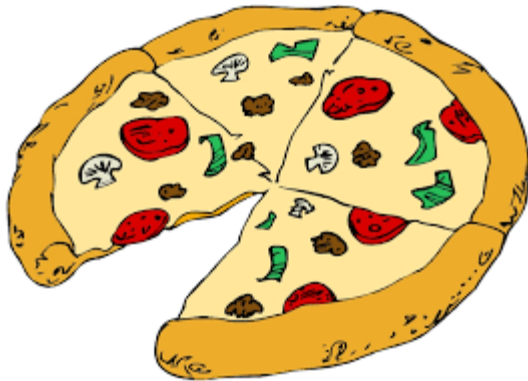


WALT:

Compare and order fractions  
which have the same denominator

# Key Vocabulary

- Fraction
- Unit fraction
- Non-unit fraction
  
- Numerator
- Denominator
  
- Equal
- Share
- Divide



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I already knew ... so ...

I noticed that ...

I compared ...

The strategy that helped me to understand this idea was ...

Another strategy I could use would be ...

Once I found out ... I could then ...

It didn't work when I ... so I ...

The part I found the most difficult was ... because ...

The part I found the easiest was ... because ...

I could check that my calculations were accurate by ...

It could be ... because ...

It couldn't be ... because ...

I can prove my thinking by ...

When you are evaluating your learning at the end of the session to say how well you did in comparison to the WALT, you might like to use the following sentence starters :

Today's lesson helped me to understand ...

I am proud because ...

To help me to understand this more, I need to ...

I would use this in real life when ...

A career where this skill might be useful maybe ...

# Recap

Greater than or less than?

Thirds



Tenths

Sixths



Eighths

Ninths



Quarters

Fifths

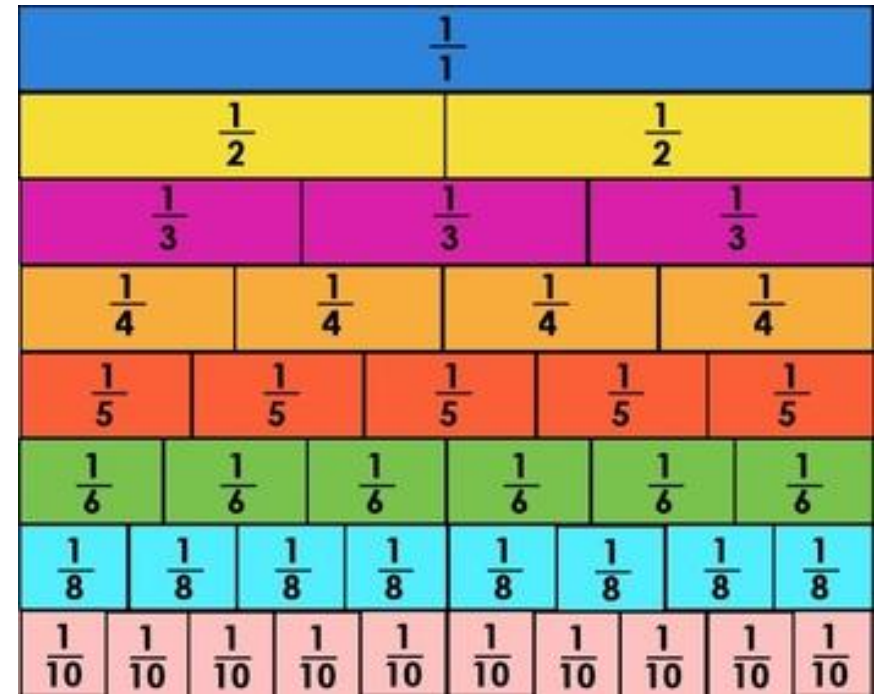


Sevenths

Half



One whole



# Compare Pairs



Which symbols need to go between the pairs of fractions?

$$\frac{4}{5}$$



$$\frac{2}{5}$$

$$\frac{2}{3}$$



$$\frac{1}{3}$$

$$\frac{2}{4}$$



$$\frac{2}{4}$$

$$\frac{4}{8}$$



$$\frac{2}{8}$$

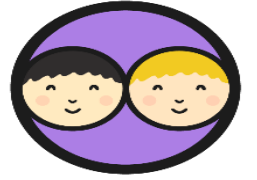
$$\frac{2}{7}$$



$$\frac{6}{7}$$

What do you notice about the numerators and denominators in these pairs of fractions?

# Ordering Fractions



$$\frac{6}{9} \quad \frac{8}{9} \quad \frac{2}{9} \quad \frac{5}{9}$$

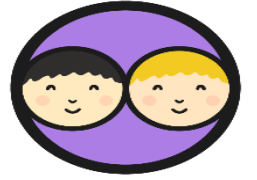
— — — —

Which is the highest value fraction in this family? How do you know?

Which is the lowest value fraction in this family? How do you know?

Which order do the remaining fractions go in? How do you know?

# Ordering Fractions



Can you put these fractions in order from lowest to highest value?

$$\frac{10}{10}$$

$$\frac{5}{10}$$

$$\frac{3}{10}$$

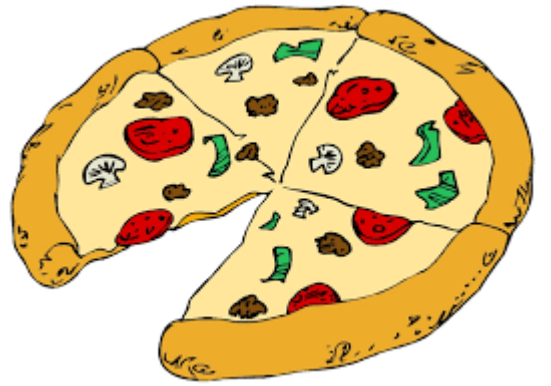
$$\frac{6}{10}$$

$$\frac{8}{10}$$

\_\_\_\_\_

## Fluency

Write in the correct symbol for the following fractions.  
Use your fraction wall to help you!



$$\frac{2}{3} \square \frac{1}{3}$$

$$\frac{1}{12} \square \frac{11}{12}$$

$$\frac{3}{4} \square \frac{2}{4}$$

$$\frac{6}{8} \square \frac{2}{8}$$

Now order the following fractions from **SMALLEST** TO **LARGEST**...

$$\frac{3}{8} \quad 1 \quad \frac{2}{8} \quad \frac{7}{8} \quad \frac{1}{8} \quad \frac{5}{8}$$

# Reasoning

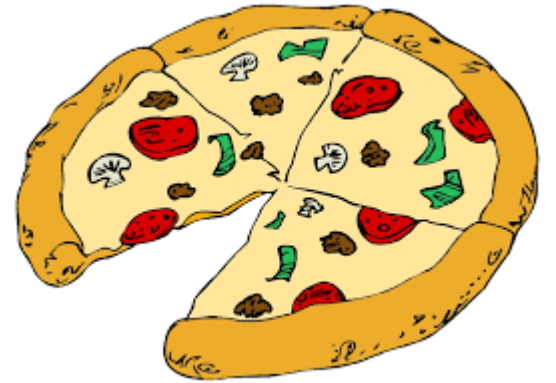
Mohammed says, "When I compare fractions with the same denominator, I look at the numerator."

Discuss with a partner how Mohammed is correct. Is there anything else he needs to say?

Write your own instructions for comparing fractions with the same denominator, *and show an example.*



## Problem Solving

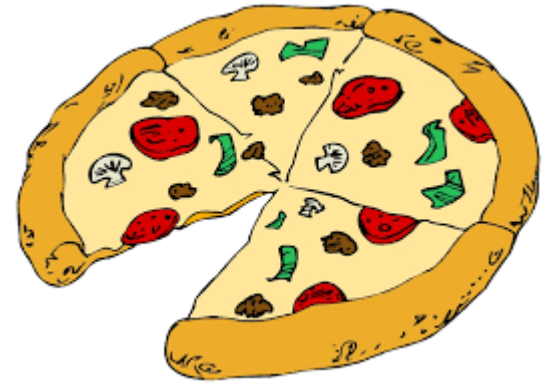


In your book, draw 4 circles of the same size.

Can you divide and shade the circles to show how to order unit fractions from smallest to largest?

Explain how you completed this task using your sentence starters and maths vocabulary.

05.03.21

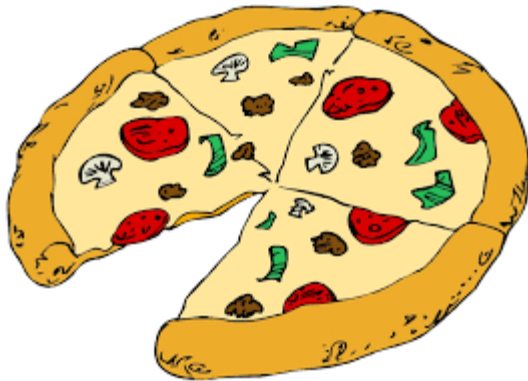


WALT:

Compare and order fractions  
which have the same numerator

# Key Vocabulary

- Fraction
- Unit fraction
- Non-unit fraction
  
- Numerator
- Denominator
  
- Equal
- Share
- Divide



# Sentence Starters

Maths sentence starters



Use these sentence starters to help you to explain your understanding of the maths explored to others :

The first thing I did was ...

I already knew ... so ...

I noticed that ...

I compared ...

The strategy that helped me to understand this idea was ...

Another strategy I could use would be ...

Once I found out ... I could then ...

It didn't work when I ... so I ...

The part I found the most difficult was ... because ...

The part I found the easiest was ... because ...

I could check that my calculations were accurate by ...

It could be ... because ...

It couldn't be ... because ...

I can prove my thinking by ...

When you are evaluating your learning at the end of the session to say how well you did in comparison to the WALT, you might like to use the following sentence starters :

Today's lesson helped me to understand ...

I am proud because ...

To help me to understand this more, I need to ...

I would use this in real life when ...

A career where this skill might be useful maybe ...

# Recap

Greater than or less than?

$$\frac{1}{5}$$



$$\frac{1}{8}$$

$$\frac{2}{4}$$



$$\frac{2}{10}$$

$$\frac{6}{8}$$



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

$$\frac{4}{6}$$

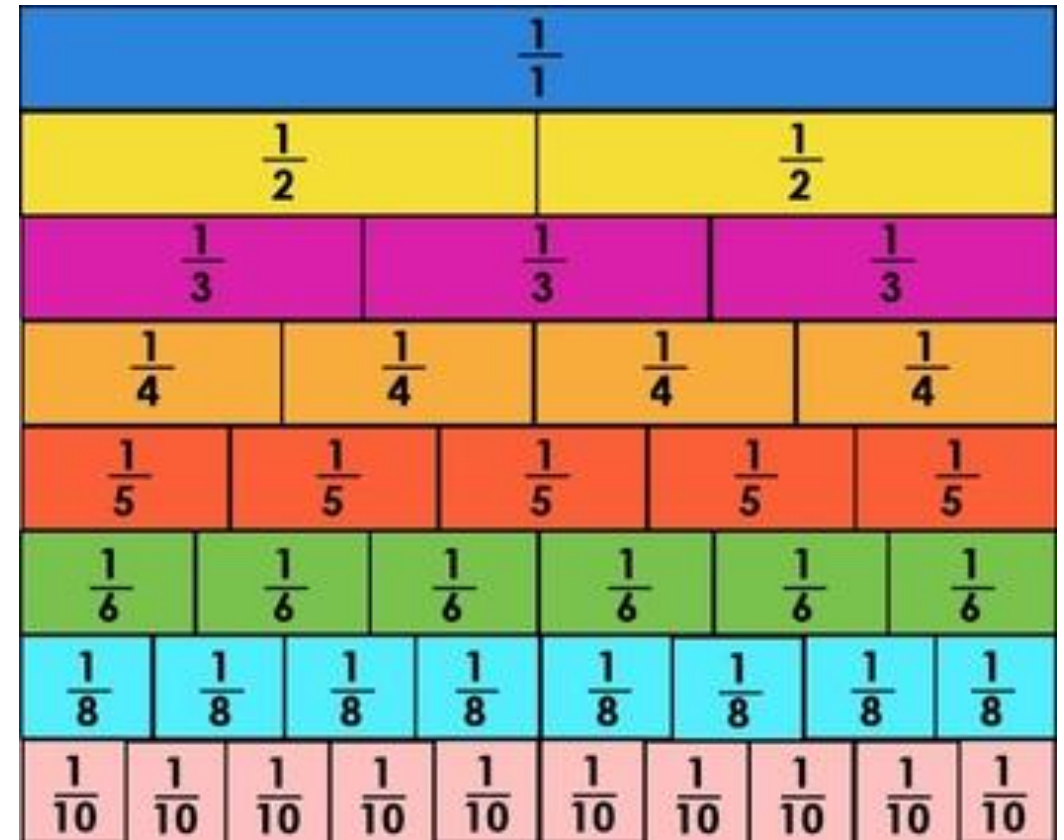


$$\frac{4}{5}$$

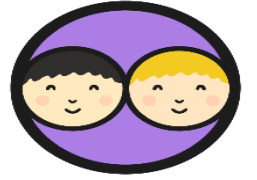
$$\frac{3}{5}$$



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



# Ordering Fractions



$$\frac{2}{5} \quad \frac{2}{2} \quad \frac{2}{12} \quad \frac{2}{9}$$

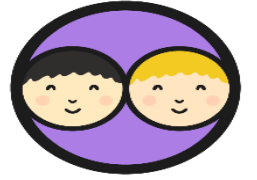
\_\_\_\_\_

Which is the highest value fraction in this family? How do you know?

Which is the lowest value fraction in this family? How do you know?

Which order do the remaining fractions go in? How do you know?

# Ordering Fractions



Can you put these fractions in order from lowest to highest value?

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

$$\frac{6}{20}$$

$$\frac{6}{100}$$

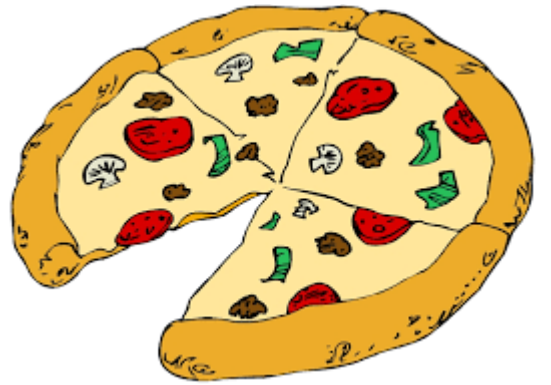
$$\frac{6}{12}$$

$$\frac{6}{8}$$

— — — — —

## Fluency

Write in the correct symbol for the following fractions.  
Use your fraction wall to help you!



$$\frac{2}{3} \square \frac{2}{8}$$

$$\frac{7}{12} \square \frac{7}{10}$$

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

$$\frac{9}{10} \square \frac{9}{100}$$

Now order the following fractions from **SMALLEST** TO **LARGEST**...

$$\frac{5}{7} \quad 1 \quad \frac{5}{12} \quad \frac{5}{8} \quad \frac{5}{10} \quad \frac{5}{6}$$

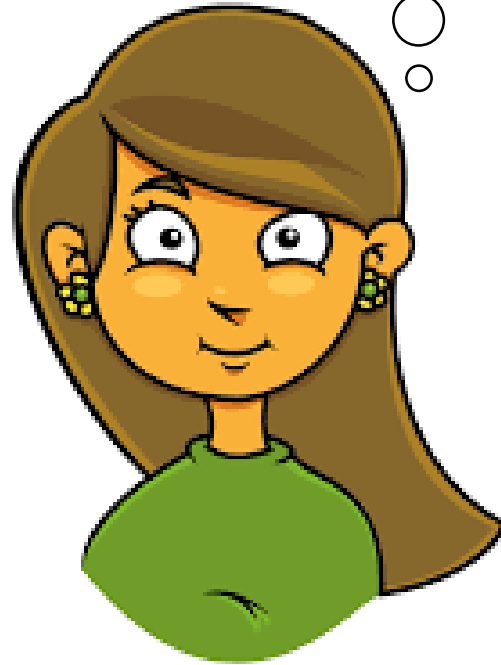
# Reasoning

Amber says, "When I compare fractions with the same numerator, I look at the denominator."

Discuss with a partner how Amber is correct. Is there anything else she needs to say?

Amber is correct if the numerator is the same you look at the denominator. The smaller the denominator the bigger the piece. As the denominator gets bigger the piece gets smaller

"When comparing fractions with the same numerator..."



## Problem Solving

How many  
different ways  
can you  
represent  $\frac{1}{3}$ ?

