

Maths

Times Table Rock Stars

Mental Maths – www.topmarks.co.uk/maths-games/daily10

Hit the Button – www.topmarks.co.uk/maths-games/hit-the-button

Monday- LI: Can I identify a fraction?

Learning Notes

What is a Fraction?

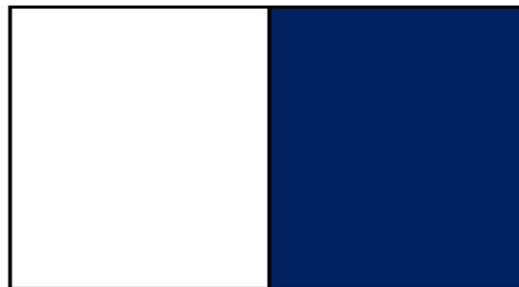
Can you remember the meaning of these words?

Numerator – The top part of a number. → $\frac{5}{9}$
It shows how many parts we have.

Denominator – The bottom part of a number.
It shows how many equal parts the whole is divided into. → $\frac{3}{4}$

Unit fraction – The numerator is 1 → $\frac{1}{4}$ $\frac{1}{8}$

Non-unit fraction – A fraction with a numerator other than 1 → $\frac{3}{4}$ $\frac{5}{9}$

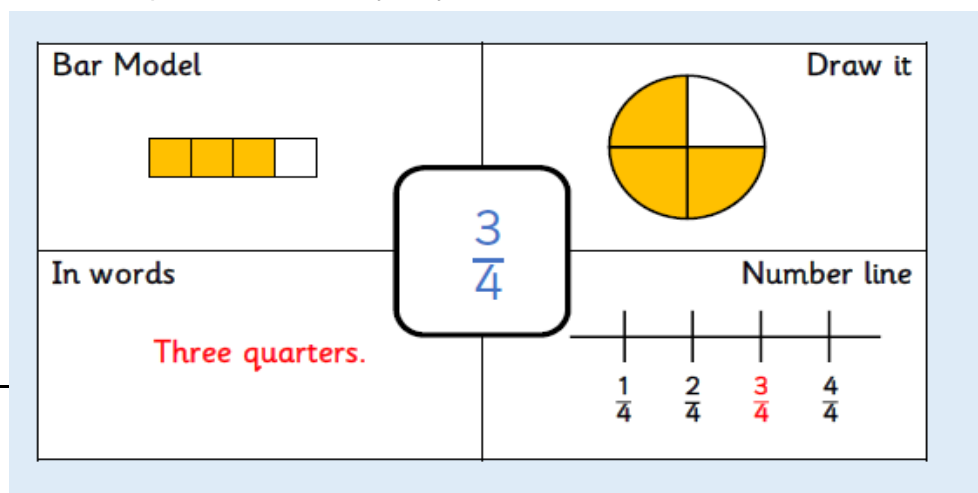


The rectangle is divided into two equal parts.

1 out of 2 is written as $\frac{1}{2}$ ← numerator

$\frac{1}{2}$ is read as **one half** or **one over two**. ← denominator


Fractions can be represented in many ways.



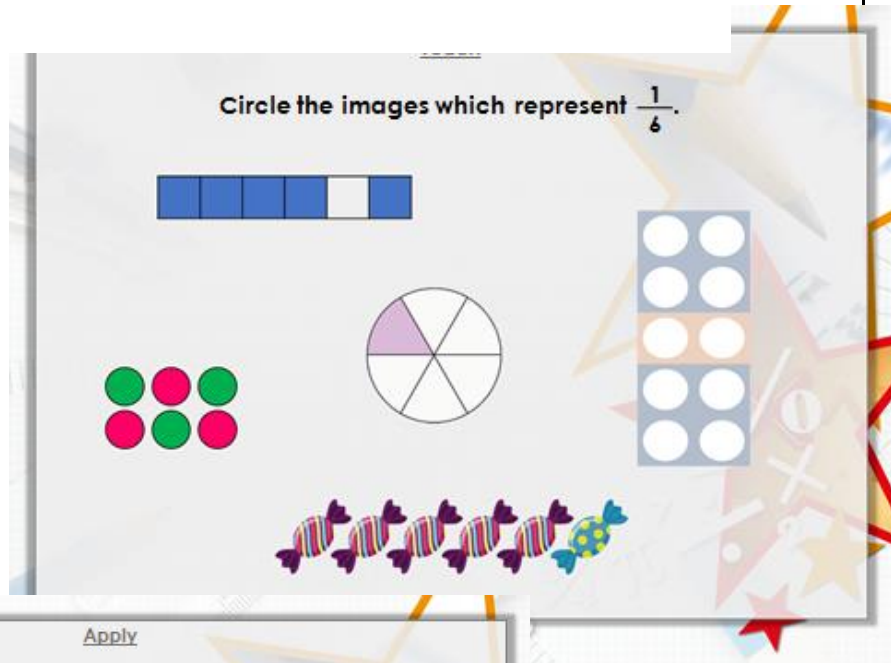
Practice

How could you show $\frac{1}{3}$?

Bar Model	Draw it
In words	Number line

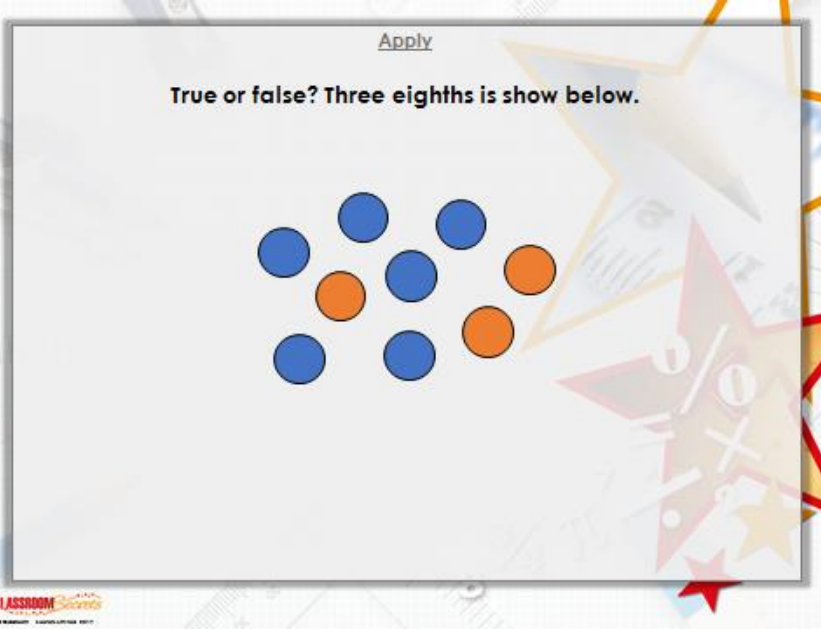


Circle the images which represent $\frac{1}{6}$.



Apply

True or false? Three eighths is show below.



Embed

Josh thinks one of the fractions being represented below is $\frac{4}{5}$.



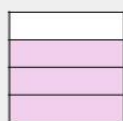
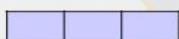
Is he correct? Prove it.

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Secrets

Tuesday 23rd February

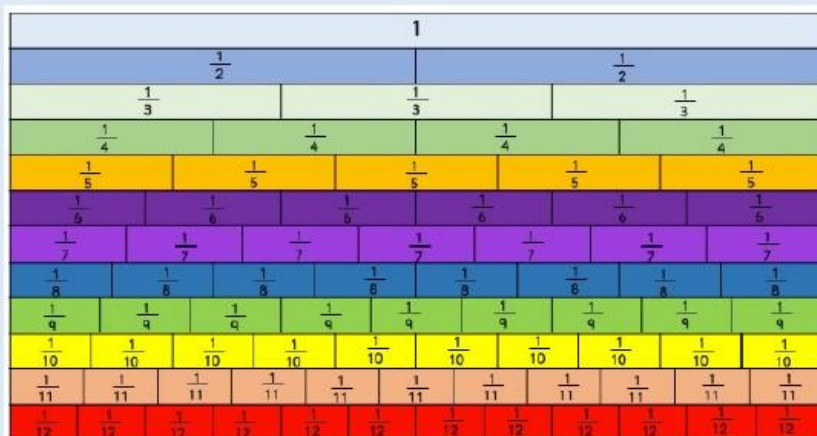
Introduction

Circle the different representations of $\frac{1}{3}$ below.



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How many fractions equivalent to one half can you see on the fraction wall?



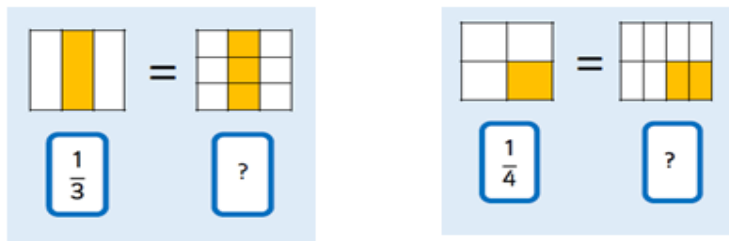
Teach

Use two strips of equally sized paper.

1. Fold one strip into quarters and the other into eighths.
2. Place the quarters on top of the eighths and lift up one quarter.
3. How many eighths are equivalent to one quarter?

Practice

Write the equivalent fractions.



Remember – the top number (numerator) is how many parts of coloured in

The bottom number (denominator) is out of how many.

Practice

Circle the fractions which are equivalent to $\frac{1}{4}$.

$$\frac{4}{16}$$

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

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

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

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

Apply

Circle the odd one out.

$$\frac{4}{32}$$

$$\frac{3}{24}$$

$$\frac{2}{9}$$

$$\frac{2}{16}$$

$$\frac{5}{40}$$

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

Explain your reasoning.

[Embed](#)

Jenny, Finn and Greg are sharing some chocolate.

Jenny eats $\frac{1}{8}$ of the chocolate.

Finn eats $\frac{3}{24}$.

Greg eats $\frac{4}{32}$.





Did everyone get an equal share?


Wednesday- LI: Can I Identify Equivalent Fractions?

Teach

The same strip of paper has been folded in different ways.

A.  $\frac{2}{4}$


B.  $\frac{4}{8}$


C.  $\frac{1}{2}$

Match the strip of paper to the correct fraction.

Practice


Write the fraction represented by the shaded part of the images.

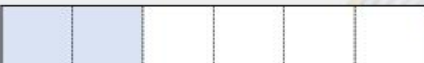





Practice

Which two fractions are equivalent to each other?



A. 



B. 

C. 

Practice


Shade the shapes to show $\frac{1}{4}$.

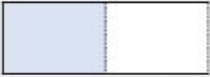
 

Apply

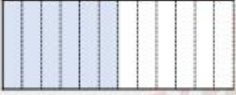
**Find the fraction that is the odd one out.
Explain why**



$\frac{6}{12}$




$\frac{2}{3}$

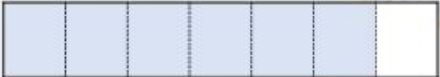


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Embed

Kara is investigating equivalent fractions. She thinks she has made equivalent fractions.






Is she correct? Prove it.

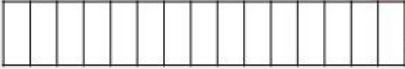
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Thursday- LI: Can I identify Equivalent Fradtions?

Teach

Complete the diagram to show the equivalent fraction.





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Complete these equivalent fractions. Remember – you must do the same action to both.

Section A

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

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

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

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

Apply/Embed

A cake is cut into equal pieces.

Emma gets $\frac{2}{4}$ Hayley gets $\frac{6}{12}$.

Hayley says that Emma has the most cake.


Is Hayley right? Explain why?

Embed

Look at the sequence below.


$$\frac{1}{10} \quad \frac{2}{20} \quad \frac{3}{30}$$

Milly says,



The next fraction is $\frac{4}{31}$.

Alex says,



The next fraction is $\frac{4}{40}$.

Who is correct? Convince me.

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