

Year 2 - Week 13 - Maths

Mental Maths

$5 \times 7 =$

$57 - 19 =$

$30 \div 2 =$

$36 + 47 =$

$18 + 62 =$

$75 - 21 =$

This week's learning is: **Fractions**

This learning will be adding to the learning that we have already done on fractions earlier on this year ☺ Click on the following links to view this week's Maths videos:

<https://classroom.thenational.academy/lessons/to-identify-unit-fractions-of-quantity/activities/2>

This week's key vocabulary:

numerator	denominator	equal parts
whole	half $\frac{1}{2}$	quarter $\frac{1}{4}$
third $\frac{1}{3}$	two quarters $\frac{2}{4}$	three quarters $\frac{3}{4}$

Here are some additional videos that you may find useful:

<https://www.youtube.com/watch?v=UBiYzF-0txw>

<https://www.bbc.co.uk/bitesize/topics/z3rbg82/articles/zt7nfrd>

Teaching Tips:

Always remember that with fractions, the whole must always be divided into equal parts.

Numerator

This tells us how many **equal** parts we need to focus on.



Denominator

This tells us how many **equal** parts we need to divide our whole amount into.



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

Step 2

Step 1

Finding fractions of an amount EXAMPLE:

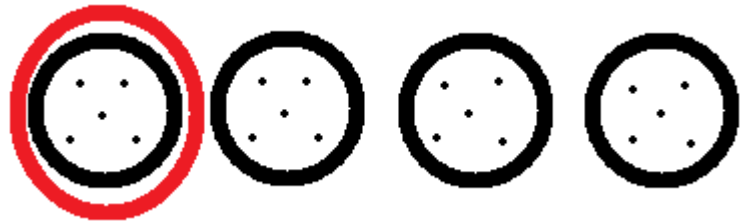
Find $\frac{1}{4}$ of 20

Step 1: Check the denominator. For this fraction, I need to divide my whole (20) by 4 (denominator).

$20 \div 4$



Step 2: Check the numerator. This will tell you how many parts we need. In this fraction, I need just 1 part.



Finding fractions of a shape EXAMPLE:

What fraction of the shape is shaded?

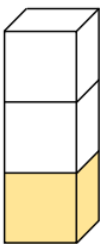


Step 1: The circle has been divided into 4 equal parts. This is our denominator (bottom number).

Step 2: 3 parts of the circle has been shaded. 3 is our numerator (top number).

Answer: $\frac{3}{4}$


Year 2 - Fraction Activities



There are equal parts.

There is part shaded.

is shaded.

There are equal parts. 

There is part circled.

is circled.

$\frac{1}{4}$ of 20 = 5



$\frac{1}{2}$ of 14 =

One third of 12 =

Two fifths of 15 =

Match the objects to the correct fractions



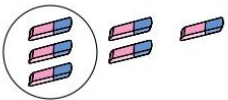
$\frac{1}{2}$



$\frac{1}{3}$



$\frac{1}{4}$



$\frac{1}{5}$

Tick the representations that show $\frac{3}{4}$



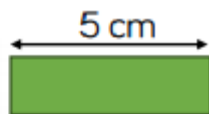
Write $<$, $>$ or $=$ to compare the statements.

a) $\frac{1}{4}$ of 4 $\frac{3}{4}$ of 4

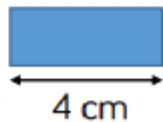
b) $\frac{1}{2}$ of 20 $\frac{3}{4}$ of 20

Mo has two ribbons. He cuts $\frac{1}{4}$ from each ribbon.

$\frac{1}{4}$ of ribbon A



$\frac{1}{4}$ of ribbon B



How long were Mo's whole pieces of ribbon? Ribbon A: _____ Ribbon B: _____

Which ribbon was the longest? _____

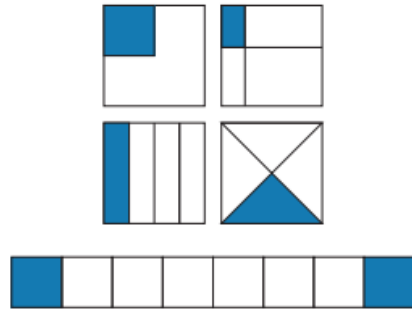
How much longer? _____

Sam bought a bag of 18 cherries.

He ate 6 cherries.

What fraction of the bag did Sam eat?

Tick the diagrams that have $\frac{1}{4}$ of the whole shaded.



Explain your reasoning.

Amir and Dora each have 20 sweets.

Amir eats half of his sweets.

Dora eats two quarters of her sweets.

Dora says she has eaten more sweets than Amir.

Do you agree? Explain your reasoning.

I am thinking of a number.

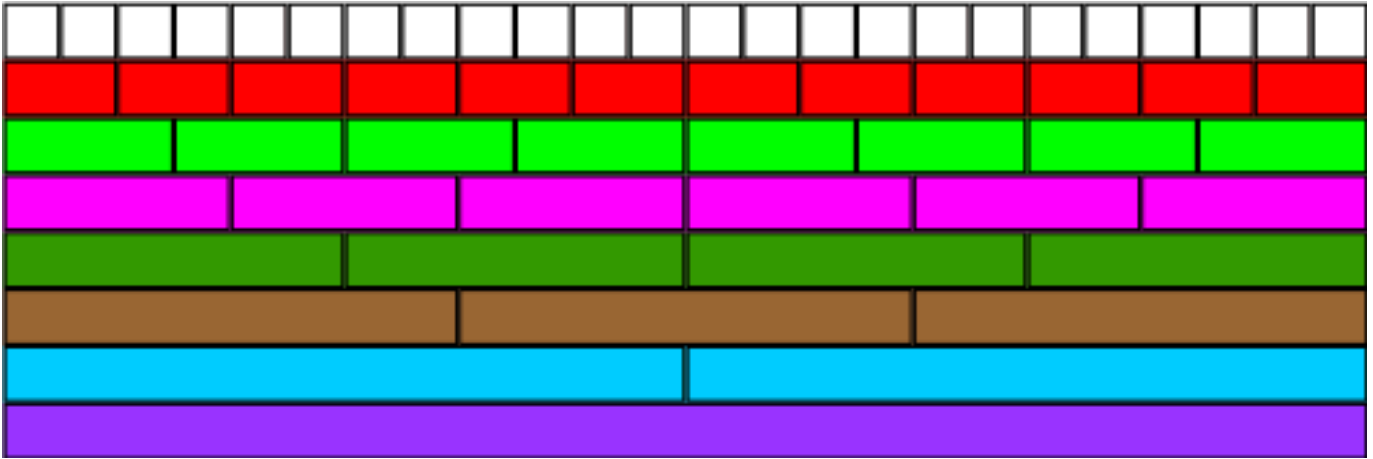


One third of my number is 12.

Which will be greater; **one half** of my number or **one quarter** of my number?

12		
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Challenge: Fractional Wall



Equivalent fractions is a word used when the fractions are exactly the same. e.g. $\frac{1}{2} = \frac{2}{4}$

Using the picture above, how many different ways can you find of writing $\frac{1}{2}$?

From the picture, can you write down all the equivalent fractions for $\frac{1}{3}$?

Again, using the fraction wall, how else could you write $\frac{3}{4}$?