



Year 2 Maths Home Learning | Summer Term



Week Commencing 8th June

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Maths



After watching the videos and doing the practice activities, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy. **Adults** we have now attached an answer sheet for all of the activities on this worksheet (year 2 home learning page, week 7, answers).

Remember that these activities are to work from, not on. There is no expectation to complete all of the work or to print worksheets off – children can work on paper if they want to write it down. It is also fine for your child to just say the answer, or for instance, where it says 'circle all of the number bonds' it's fine for them to simply point to them! 😊

Extensions – You may wish to deepen your learning by looking at the worksheets provided by the BBC too.

Our Maths focus for this week is **FRACTIONS**

Monday

Unit Fractions

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

A unit fraction is a fraction where the numerator is 1 and the denominator is a whole number.

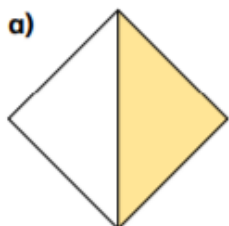
It represents one shaded part of all the equal parts of the whole.

Numerator = top number. Denominator = bottom number.

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

Mild

Complete the sentences for each shape.



There are equal parts.

There is part shaded.

is shaded.



There are equal parts.

There is part shaded.

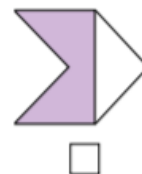
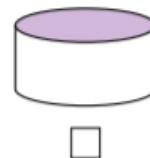
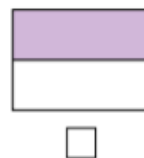
is shaded.

2 There are equal parts. 

There is part circled.

is circled.

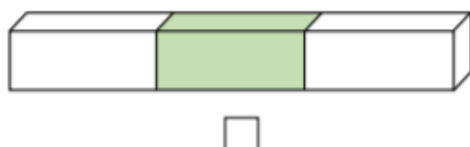
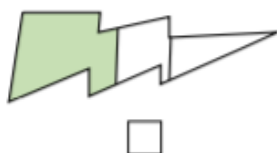
3 Tick the shape that has $\frac{1}{2}$ shaded.



Reminder: the parts have to be equal!

Medium (remember that each part must be equal in size)

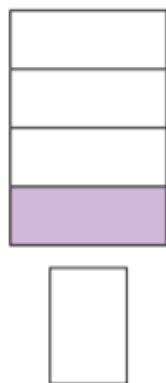
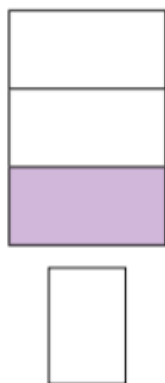
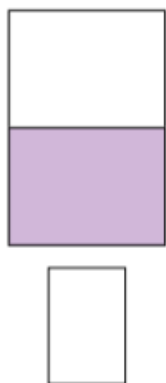
1 Tick the shape that has $\frac{1}{3}$ shaded.



2 Tick the shapes that have $\frac{1}{4}$ shaded.



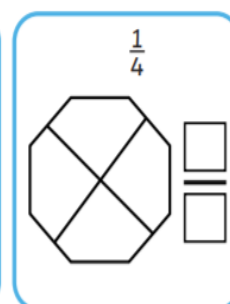
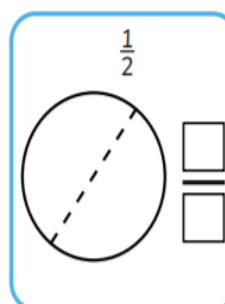
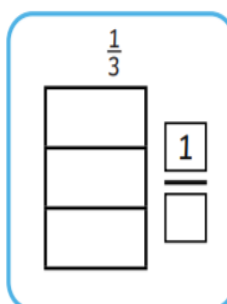
What fraction of each shape is shaded?



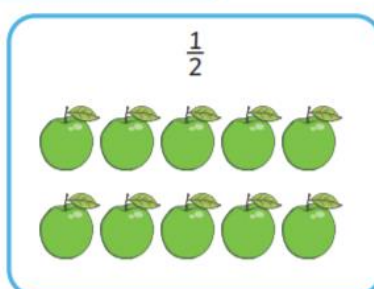
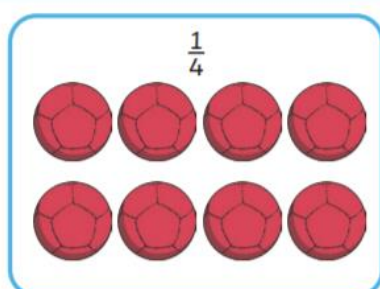
What is the same about the fractions?

What is different about them?

Shade and label a unit fraction of each shape.

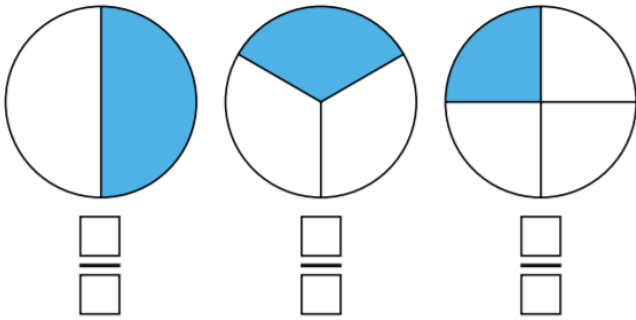


Circle the unit fraction of each group.



Spicy

What fraction of each shape is shaded?



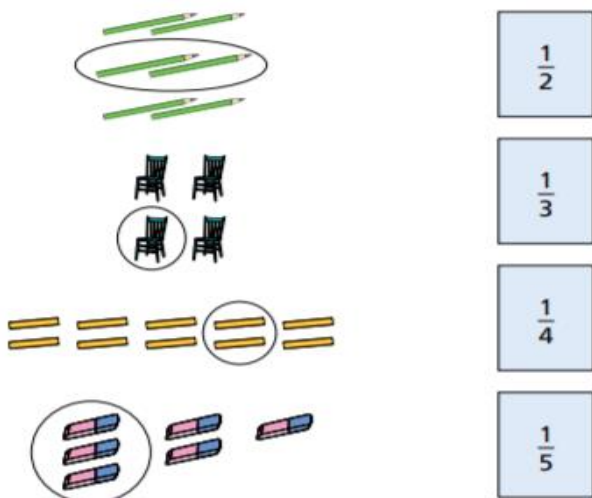
Here are some fractions.



Tick all the unit fractions.

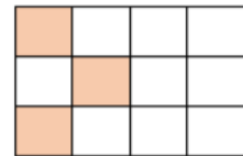
Remember that a unit fraction means just one part of the whole.

Match the objects to the unit fractions.

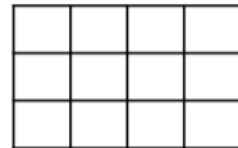


True or False?

This shows $\frac{1}{4}$



Can you shade the same shape so that it shows $\frac{1}{3}$?



Unit Fractions



Rida has hidden some counters in a bag.



$\frac{1}{2}$ of the number of counters is 12.



What is $\frac{1}{3}$ of the number of counters in Rida's bag?

What is $\frac{1}{4}$ of the number of counters in Rida's bag?

Unit Fractions

Adult Guidance with Question Prompts



Children need to know that a unit fraction is one equal part of a whole. They should also be familiar with the terms numerator and denominator and understand the meanings. They may find counters useful in this activity or they could draw bar models to support their thinking. Look out for children who try to find one third or one quarter of 12. They first must find out Rida's total before working out the other unit fractions.

Do we know how many counters Rida has in total?

Does she have 12 in total? Why not?

How can we use the information she has given us to find out her total?

Can you show me with equipment/a drawing?

Now that we know the total, how can we find one third of her counters?

What method will you choose?

Why have you done it that way?

Can you explain your method to a friend?

How can we find one quarter of her counters?

Can you try a different method this time?

Tuesday

Non-Unit Fractions

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

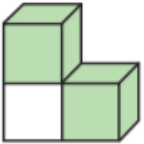
<https://whiterosemaths.com/homelearning/year-2/>

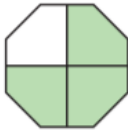
A non-unit fraction is a fraction where the numerator (the number on the top half of the fraction) is greater than 1. For example, $\frac{3}{4}$ is a non-unit fraction, because three is the numerator.

Additional lessons <https://classroom.thenational.academy/lessons/to-identify-fractions-of-shapes-with-different-numerators>

Mild

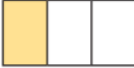
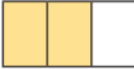
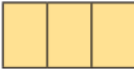
Complete the sentences.

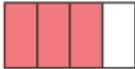
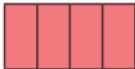
a)  There are 3 equal parts.
There are 2 parts shaded.
 is shaded.

b)  There are equal parts.
There are parts shaded.
 is shaded.

c)  There are equal parts.
There are parts shaded.
 is shaded.

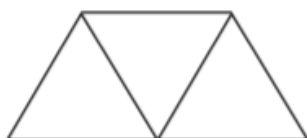
What fraction of each shape is shaded?

a)   

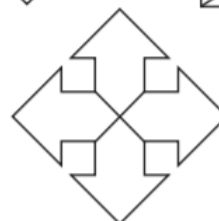
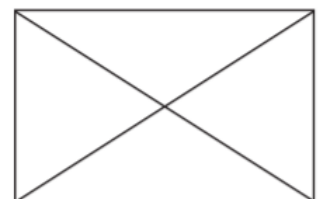
b)    

Medium

Colour $\frac{2}{3}$ of each shape.

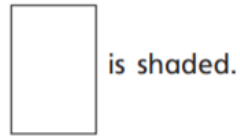


Colour $\frac{3}{4}$ of each shape.

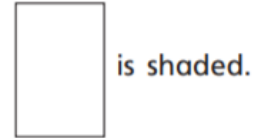


A shape has 3 equal parts.

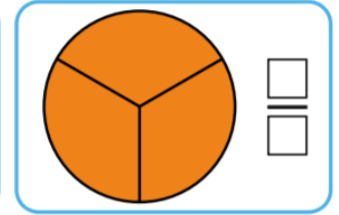
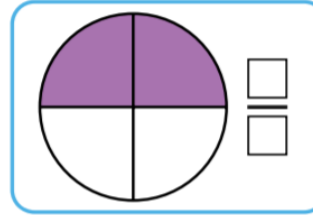
a) What fraction is shaded if there are 2 parts shaded?



b) What fraction is shaded if there are 3 parts shaded?



For each shape, write the fraction that is shaded.

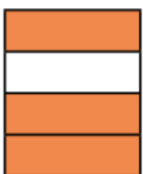
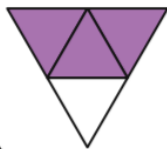
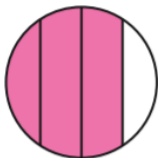


Spicy

Non-Unit Fractions

The shaded parts of each shape represent $\frac{3}{4}$.

True or false?



Non-Unit Fractions

Tick each non-unit fraction.

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

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

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

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

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

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

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

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

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

Fill in the boxes to give a unit fraction and a non-unit fraction.

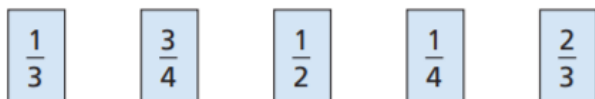
unit fraction

5

non-unit fraction

5

Write the fractions in the table.



Unit fractions	Non-unit fractions

Alex says,

I have shaded $\frac{2}{2}$ of the shape.



What mistake might Alex have made?

Wednesday

Finding a Half

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Additional lessons <https://classroom.thenational.academy/lessons/to-identify-fractions-of-a-quantity-and-shape>

Mild

Here are 6 counters.



a) Share the counters into 2 equal groups.

Group 1	Group 2

Use counters.

a) Can you share 10 counters into 2 equal groups? _____

b) Can you share 11 counters into 2 equal groups? _____

If you do not have counters at home, remember you can use what you do have... cereal/pasta/sweets/pencils etc.

b) Complete the sentences.

There are 6 counters.

The counters are shared equally between

groups.

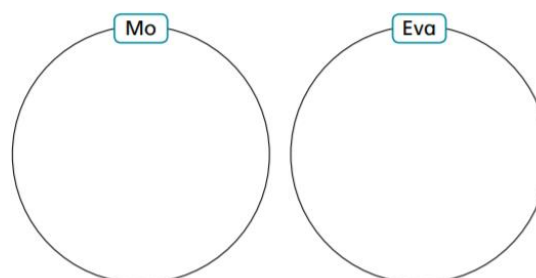
There are counters in each group.

$\frac{1}{2}$ of 6 is equal to

3 Mo and Eva have 12 tennis balls.



Share the tennis balls equally between Mo and Eva.

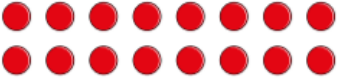


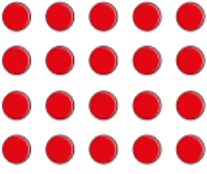
Medium

Find $\frac{1}{2}$ of each number.

Use the arrays to help you.

a)  $\frac{1}{2}$ of 10 =

b)  $\frac{1}{2}$ of 16 =

c)  $\frac{1}{2}$ of 20 =

Ron has run 20 m.



Rosie has run half that distance.

a) Draw an arrow on the running track to show where Rosie is.

a) How far has Rosie run? m

Circle half the footballs.



The whole is _____. Half of _____ is _____.

Circle half the stars.



The whole is _____. Half of _____ is _____.

Find half of these numbers. You could use cubes to help.

$\frac{1}{2}$ of 2 = _____ $\frac{1}{2}$ of 20 = _____

$\frac{1}{2}$ of 4 = _____ $\frac{1}{2}$ of 40 = _____

$\frac{1}{2}$ of 6 = _____ $\frac{1}{2}$ of 60 = _____

Remember to use your key skills - if you know that half of 8 is 4, then half of 80 is 40.

Spicy

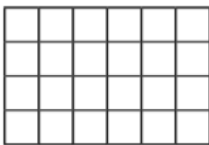
Here are half of Annie's sweets.

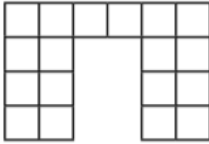


How many sweets does Annie have in total?

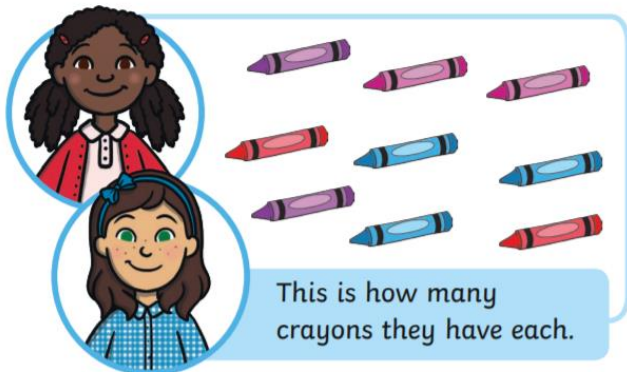
Colour $\frac{1}{2}$ of each shape.

Use the shapes to help you complete the number sentences.

a)  $\frac{1}{2}$ of =

b)  $\frac{1}{2}$ of =

Emily shares her crayons with her friend.
They have half each.



How many crayons did
Emily start with?
Show how you know!



If you do not have this sheet printed, you can
Jack says:

I am thinking of
a number.
Half of my number is
more than 12 and less
than 20.



What could Jack's
number be? Find all the possible answers.

Can you think of a number
and halve it?
Give a friend some clues
and see if they can guess
your starting number.



Complete the number sentences.

$$\frac{1}{2} \text{ of } \boxed{} = 10$$

$$\frac{1}{2} \text{ of } \boxed{} = 7$$

Thursday

Finding a Quarter

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Additional lessons <https://classroom.thenational.academy/lessons/to-identify-fractions-of-quantity-and-shape>

Mild

Here are 8 counters.
There are 12 pencils.



a) Share them equally between 4 pencil pots.



b) What is $\frac{1}{4}$ of 12?

b) Complete the sentences.

Share the apples between the children.

ro



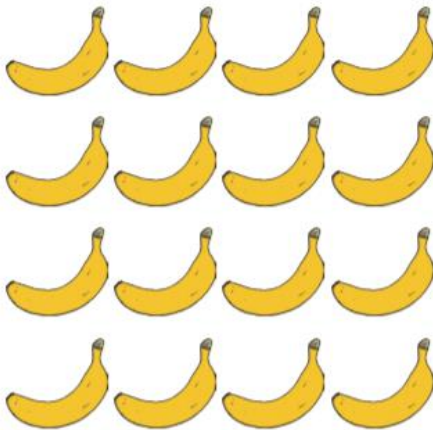
The apples are split into _____ equal parts.

There are _____ apples in each part.

$\frac{1}{4}$ of 8 is _____.

Medium

Circle $\frac{1}{4}$ of the bananas.



$\frac{1}{4}$ of 4 is _____.

$\frac{1}{4}$ of 12 is _____.

$\frac{1}{4}$ of 20 is _____.

$\frac{1}{4}$ of 16 is _____.

$\frac{1}{4}$ of 8 is _____.

$\frac{1}{4}$ of 24 is _____.

Alex thinks of a number.



One quarter of her number is 4.

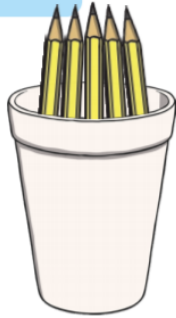
What is her number?

Alex has some pencils. One quarter of them are in this pot.

How many pencils does she have in total?

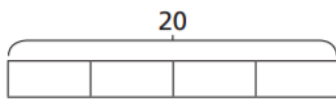
$$\frac{1}{4} \text{ of } \underline{\hspace{2cm}} = 5$$

Explain how you know.



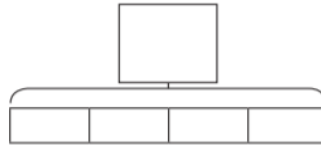
Use the bar models to help you work out a quarter.

a) Work out $\frac{1}{4}$ of 20



$$\frac{1}{4} \text{ of } 20 = \boxed{}$$

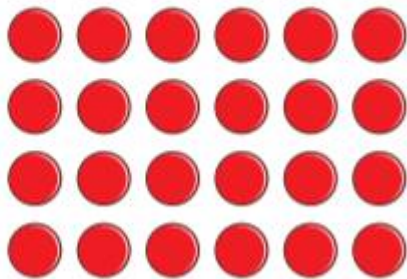
b) Work out $\frac{1}{4}$ of 16



$$\frac{1}{4} \text{ of } 16 = \boxed{}$$

Spicy

Show that $\frac{1}{4}$ of 24 is 6



I can find a quarter by halving a number and halving again.

Use this method to find $\frac{1}{4}$ of 12



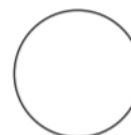
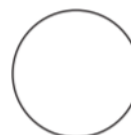
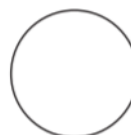
$\frac{1}{4}$ of 12 =

Complete the table.

Number	$\frac{1}{2}$ of Number	$\frac{1}{4}$ of Number
8		
20		
24		

$\frac{1}{4}$ of a number is 7

What is the number?



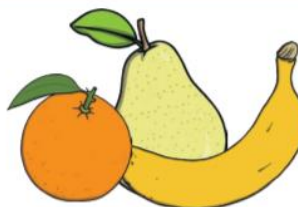
The number is

In Mr Jones' fruit box, there are 20 pieces of fruit.

$\frac{1}{2}$ are bananas.

$\frac{1}{4}$ are pears.

The rest are satsumas.



How many bananas are there?

How many pears are there?

How many satsumas are there?

What fraction of the fruit are the satsumas?

Friday

Football in Maths and Times Table Rock Stars

Additional fractions lessons

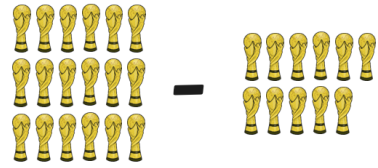
<https://classroom.thenational.academy/lessons/to-be-able-to-identify-equivalent-fractions>

<https://classroom.thenational.academy/lessons/to-consolidate-and-review-3e7835>

Football in Maths



$$16 - 8 = 8$$



$$14 - 7 = 7$$

Football-Themed Maths Challenge Cards

3. 26 Twinkl Rovers fans are travelling to the team's next match on a coach from Sheffield. 20 more fans get on at Manchester.

- How many fans are now on the coach?
- If the coach has 52 seats, how many seats are empty?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

Football-Themed Maths Challenge Cards

8. Twinkl United play 24 matches. They win half of them. How many matches do they win?



- They lose $\frac{1}{4}$ of their matches. How many matches do they lose?
- The rest of the matches, they drew. How many matches did they draw?

Football-Themed Maths Challenge Cards

9. Footballs are bought in bags of 5.

- How many balls are in 2 bags?
- How many balls are in 6 bags?
- How many bags should I buy if I need 40 footballs?



Times Table Rock stars

Have a go at your times tables on TTRockstars this week. Maybe you could battle with one of your friends? We can't wait to see how much your times tables have improved!



Well done girls and boys, you have finished week 7!

We are so proud of your efforts 😊