

Year 3 Maths Week Commencing 11.5.20

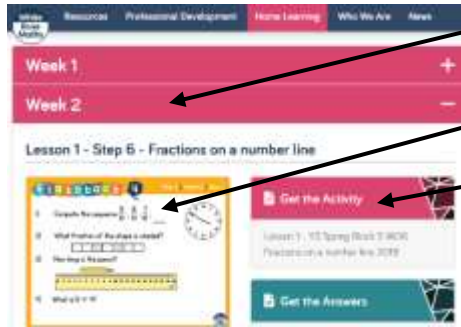
On <https://login.mymaths.co.uk/> you should find your child has been set a daily my maths activity, in the same way that their my maths homework was set previously. If you have missed any, they can still be completed by clicking on the activity even if they say 'overdue'.

Please also spend time practising times tables on <https://ttrockstars.com/>

Logins for both of these sites are in your child's planner

For more daily maths activities see below;

If you have internet access, go to <https://whiterosemaths.com/homelearning/year-3/>



Click on Summer Term Week 2, there is a short explanatory clip that explains the topic for the week.

Watch this before moving to the activity to complete.

Ideally, print out the activity, otherwise just answer questions from the screen.

Monday – Summer Term Week 2 Lesson 1 Clip and Activity below;

Add fractions

1 Complete the additions.
Use the bar models to help you.

a) $\frac{1}{3} + \frac{1}{3} = \square$

b) $\frac{1}{5} + \frac{1}{5} = \square$

c) $\frac{1}{5} + \frac{2}{5} = \square$

d) $\frac{1}{5} + \frac{3}{5} = \square$

2 Shade the circles and complete the additions.

a) $\frac{1}{8} + \frac{3}{8} = \square$

b) $\frac{5}{8} + \frac{1}{8} = \square$

c) $\frac{3}{8} + \frac{3}{8} = \square$

d) $\frac{5}{8} + \frac{3}{8} = \square$

3 Complete the part-whole models.

a) $\frac{2}{9} + \frac{2}{9} = \square$

b) $\frac{1}{6} + \frac{3}{6} = \square$

c) $\frac{1}{6} + \frac{5}{6} = \square$

Which part-whole model is the odd one out? _____
Talk about your choice with a partner. Did they choose the same odd one out?

- 4 Alex and Huan are eating a cake.
 Alex eats $\frac{4}{7}$ of the cake.
 Huan eats $\frac{2}{7}$ of the cake.
 What fraction of the cake have they eaten altogether?

They have eaten of the cake altogether.

- 5 Teddy is adding fractions.



- a) Draw a bar model to show that Teddy is wrong.

- b) Complete the addition $\frac{1}{4} + \frac{2}{4} = \square$

- 6 Annie has baked 12 muffins.
 She puts them into 2 boxes.
 What fraction of the muffins could she put in each box?
 Complete the table to show different possibilities.
 One has been done for you.



Box 1	Box 2
$\frac{1}{12}$	$\frac{11}{12}$

Are there any other possibilities? Talk about it with a partner.

- 7 Complete the additions.


- a) $\frac{3}{8} + \frac{4}{8} = \square$ d) $\frac{3}{103} + \frac{4}{103} = \square$
 b) $\frac{3}{9} + \frac{4}{9} = \square$ e) $\frac{5}{31} + \frac{9}{31} = \square$
 c) $\frac{3}{29} + \frac{4}{29} = \square$ f) $\frac{17}{111} + \frac{33}{111} = \square$

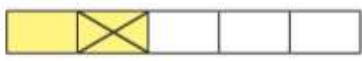
Tuesday Summer Term Week 2 Lesson 2 Clip and Activity below;

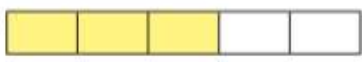
Subtract fractions

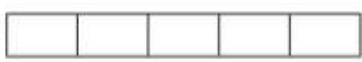
1 Complete the subtractions.

Use the bar models to help you.

a)  $\frac{2}{3} - \frac{1}{3} = \square$

b)  $\frac{2}{5} - \frac{1}{5} = \square$

c)  $\frac{3}{5} - \frac{1}{5} = \square$

d)  $\frac{4}{5} - \frac{1}{5} = \square$

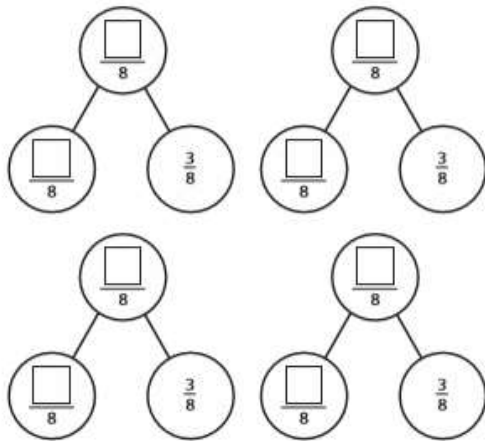
2 Jack has $\frac{7}{8}$ of a chocolate bar.

He eats $\frac{4}{8}$ of the chocolate bar.

What fraction of the chocolate bar does he have left?

Jack has of the chocolate bar left.

5 Complete the part-whole model in four different ways.



6 Kim has read $\frac{6}{7}$ of her book.

Tom has read $\frac{2}{7}$ of his book.

a) Shade the bar models to represent this information.



b) How much more has Kim read than Tom?

Kim has read more of her book than Tom.

3 Complete the subtractions.

Simplify your answers where possible.

a) $\frac{7}{10} - \frac{1}{10} = \square = \square$

e) $\frac{8}{12} - \frac{4}{12} = \square = \square$

b) $\frac{7}{10} - \frac{2}{10} = \square = \square$

f) $\frac{9}{12} - \frac{5}{12} = \square = \square$

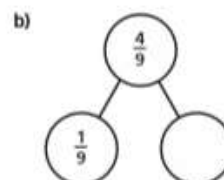
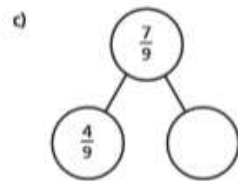
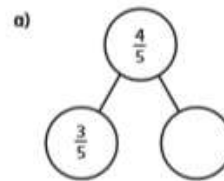
c) $\frac{7}{10} - \frac{3}{10} = \square = \square$

g) $\frac{9}{59} - \frac{5}{59} = \square$

d) $\frac{7}{12} - \frac{3}{12} = \square = \square$

h) $\frac{13}{127} - \frac{9}{127} = \square$

4 Complete the part-whole models.



7 Write the missing numerators.

a) $\frac{8}{9} - \frac{\square}{9} = \frac{7}{9}$

e) $\frac{7}{10} - \frac{5}{10} = \frac{1}{10} + \frac{\square}{10}$

b) $\frac{5}{11} - \frac{\square}{11} = \frac{4}{11}$

f) $\frac{\square}{4} - \frac{1}{4} = \frac{1}{4} + \frac{1}{4}$


c) $\frac{8}{9} - \frac{\square}{9} = \frac{3}{9} + \frac{4}{9}$



g) $\frac{\square}{5} - \frac{2}{5} = \frac{1}{5} + \frac{2}{5}$

d) $\frac{7}{9} - \frac{5}{9} = \frac{\square}{9} - \frac{4}{9}$

h) $\frac{4}{5} + \frac{1}{5} = \frac{3}{7} - \frac{2}{7} + \frac{\square}{7}$

8 Complete the table to show three possible values of the square and triangle.

 $-\frac{\square}{92} = \frac{13}{92}$

How many other answers can you find?



Problem Solving



1 The jug is $\frac{4}{7}$ full.



It needs 72 ml more to be full.

How much water can the jug hold in total?

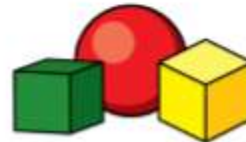
2 A box is full of spheres and cubes.

$\frac{5}{6}$ of the shapes are cubes.

$\frac{3}{4}$ of the cubes are yellow.

There are 60 yellow cubes in the box.

How many shapes are there in total?



Problem Solving



3 Complete the calculations.

$$\text{Yellow Circle} - \text{Green Triangle} = 11$$

$$\text{Yellow Circle} + \text{Yellow Circle} + \text{Yellow Circle} + \text{Yellow Circle} = 96$$

$$\text{Red Square} + \text{Yellow Circle} + \text{Green Triangle} =$$

$$\text{Green Triangle} + \text{Red Square} = 16$$

4 An apple and banana cost the same as two pears.

Three pears cost £1.20

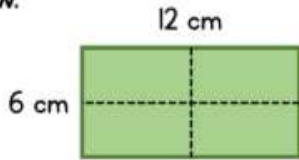
A pear costs 12p more than an apple.

What is the cost of a banana?

Problem Solving



- 1 A rectangle has a length of 12 cm and a width of 6 cm. It is cut in quarters like shown below.

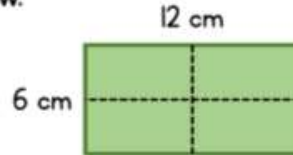


The four parts are put together to make the following shape.



What is the perimeter of the new shape?

- 2 A rectangle has a length of 12 cm and a width of 6 cm. It is cut in quarters like shown below.



The four parts are put together to make the following shape.



What other perimeters could be made?

Problem Solving



- 3 There are 81 red, blue and yellow counters in total.

There are 9 more red counters than yellow ones.

There are the same amount of yellow and blue counters.

How many of each colour are there?



- 4 There are 81 red, blue and yellow counters in total.

There are 9 more red counters than yellow ones.

There are the same amount of red and blue counters.

How many of each colour are there?



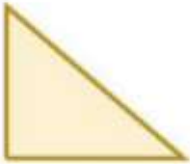
Challenge 1

This is half of Lee's strawberries.



How many strawberries does Lee have?

This is half of Lee's shape.

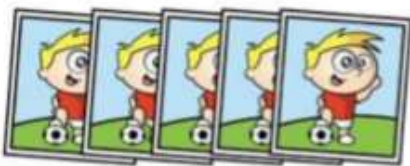


What could the whole shape look like?

Challenge 3

Stickers come in packs of 5.

Max buys 12 packs.



He gave his three friends some stickers.

They each receive the same number.

He has 27 stickers left.

How many stickers did Max give each of his friends?

Challenge 2

Tim buys a lolly and a chew.



The lolly costs 12p more than the chew.

The total cost of the two items is 82p.

How much does the lolly cost?

Challenge 4

Here are 3 containers.












- The jug can hold **1500 ml**.
- The bucket can hold **2 litres**.
- The barrel can hold **15 litres**.

Anisa wants to fill the barrel with water.

Find 2 ways that Anisa can fill the barrel using the jug and bucket.

Challenge 6

Here is a 3 x 3 grid with some shapes in.

			108
			102
			95

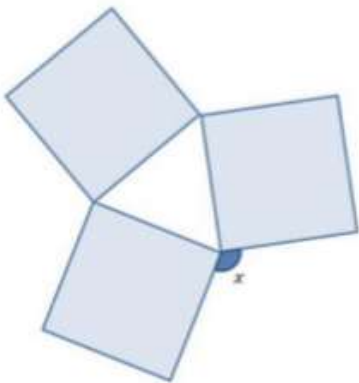
Each shape represents a number.

The sum of each row is shown at the right of the table.

Find the value of each of the shapes.

Challenge 5

Three identical squares are arranged to make this pattern.



What is the size of the angle marked x ?

Challenge 7

Megan puts 4 fractions in order, starting with the smallest.

$$\frac{1}{2} \quad \frac{\text{blue}}{8} \quad \frac{7}{\text{blue}} \quad \frac{\text{blue}}{5}$$

She has spilt some paint on some parts of the fractions.

What could the missing numbers be?

Challenge 8

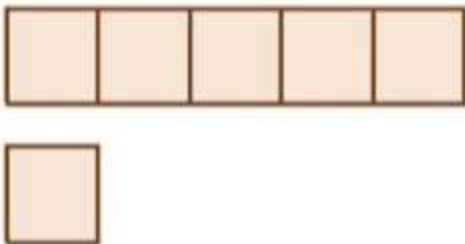
Connor has five times as much money as Jayden.

Connor gives some money to Jayden.

They now have £8.52 each.

How much did Connor have at the start?

Hint: The diagram below may help you.

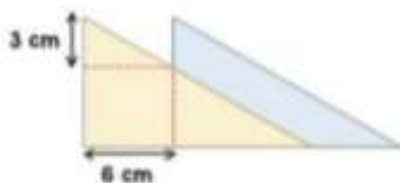


Challenge 9

Here are two triangles identical in size.



The two triangles are overlapped.



What is the area of the blue triangle showing?

Challenge 10

80 people take part in a race.

- The ratio of children to adults in the race is **2:3**.
- The mean time for the adults is **2 minutes 15 seconds**.
- The mean time for all 80 people is **3 minutes**.

Find the mean time for the children.

Lesson 5 - Tenths as decimals

If we are using tenths, we need a new place value column.

Hundreds	Tens	Ones	Tenths

The tenths column is to the right of the ones column.



Get the Activity

13 Spring Block 5 WCO Tenths as decimals 2019

Get the Answers

13 Spring Block 5 ANSO Tenths as decimals 2019

You will also find answer to each day's activity by clicking here.