

Year 3 Maths Summer term week 10

Week Commencing 13th July 2020

We are continuing the shape topic.

If there are any difficulties you encounter, please send me an email and I will try to help. Please follow Summer term week $10~\text{w/c}~29^{\text{th}}$ June.

This week we would like you to complete these tasks:

Lesson 1 – Draw accurately https://www.bbc.co.uk/bitesize/articles/zcxy6g8

Lesson 2- Recognise and describe 2D shapes https://www.bbc.co.uk/bitesize/articles/zkhbp4i

Lesson 3- Recognise and describe 3D shapes https://www.bbc.co.uk/bitesize/articles/zwscf82

Lesson 4- Tell the time to 5 minutes https://www.bbc.co.uk/bitesize/articles/zjf4ydm

Lesson 5- Friday Maths challenge

The answers have been uploaded to Starz. I have included the answers to the fractions assessment at the end of this document.

There are links to BBC bitesize extensions next to the lessons above.

Have fun!

Mr Butler



Aim High... Fly High...

<u>Lesson 1 – Draw accurately https://vimeo.com/432264831</u>

Draw accurately	White Rese Maths	3 Dani says the line is 10 cm long. 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 cm
How long is each line?		a) What mistake has Dani made?
a)		b) How long is the line?
b) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 cm		What is the length of each line in millimetres? a) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 cm
c)		b)
2 Draw two lines that are each 5 cm long.		c) mm
		• White Rose Maths 2020



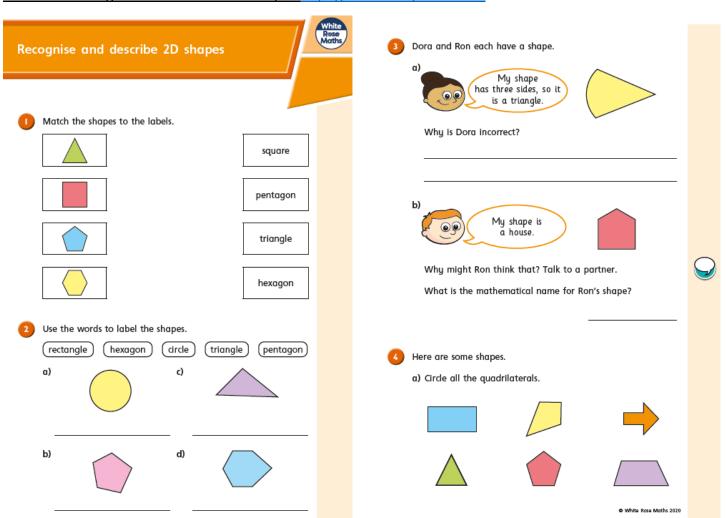
Aim High... Fly High...

5	Use a ruler to draw the lines. a) Draw a line 8 cm long.	b) Measure the length of the diagonal. Give your answer in millimetres. mm	
	b) Draw a line 80 mm long.	7 Draw a rectangle 8 cm long and 32 mm wide.	
	What do you notice about the lines you have drawn? Why is this?	a) Make a sketch of the triangle.	
6	Use a ruler to help you answer the questions. a) Draw a 4 cm by 4 cm square.	3 cm	
		b) Use your drawing to work out the perimeter of the triangle.	\
		• White Rose Maths 2020	White Rose Maths



Aim High... Fly High...

Lesson 2 – Recognise and describe 2D shapes https://vimeo.com/432264925



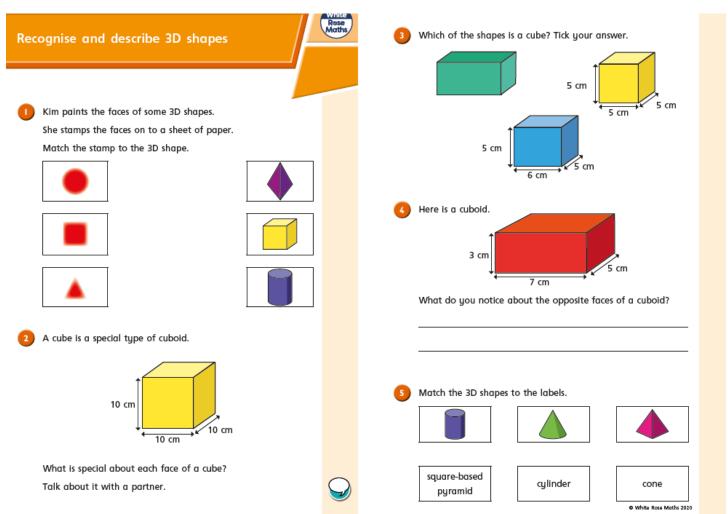


b) Draw three more quadrilaterals.	What is the name of each shape?	9
What do you notice about all the shapes you have drawn? c) Is this shape a square?		
Circle your answer. yes no		
3 cm	How do you know? Talk about it with a partner.	<u></u>
3 cm 3 cm	Each shape has at least one pair of parallel sides.	
Compare answers with a partner.	Draw on the shapes to show the parallel sides.	
This shape is a hexagon.		
Why is it a hexagon?		
		White



Aim High... Fly High...

<u>Lesson 3 – Recognise and describe 3D shapes https://vimeo.com/432265088</u>





Recognise and describe 3D shapes



Comparison of the faces of some 3D shapes.
She stamps the faces on to a sheet of paper.
Match the stamp to the 3D shape.





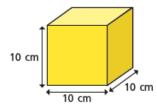








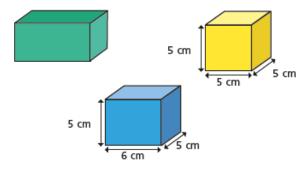
A cube is a special type of cuboid.

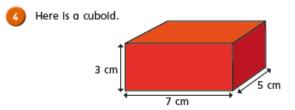


What is special about each face of a cube? Talk about it with a partner.



Which of the shapes is a cube? Tick your answer.





What do you notice about the opposite faces of a cuboid?

Match the 3D shapes to the labels.







square-based pyramid

cylinder

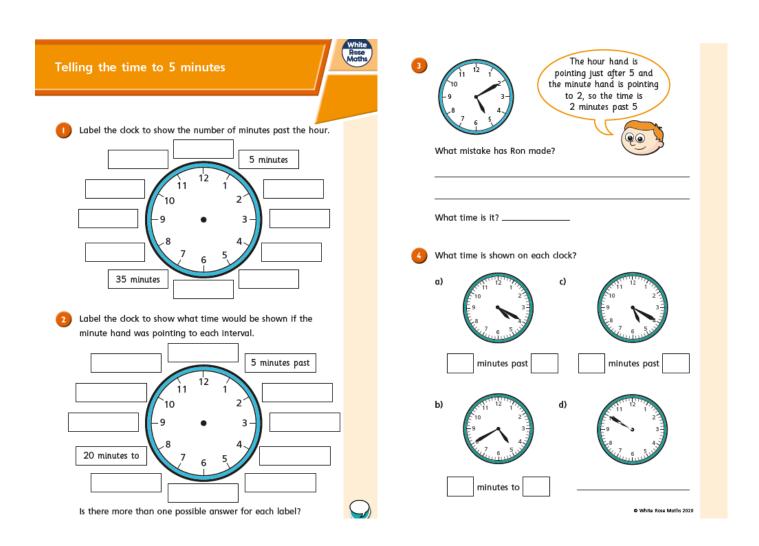
cone

White Rose Maths 2020



Aim High... Fly High...

Lesson 4 – Tell the time to 5 minutes https://vimeo.com/432265268

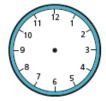




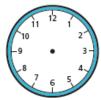
Aim High... Fly High...

Draw the hands on the clocks to show the correct times.

a)



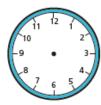
c)



15 minutes past 6

25 minutes to 9

b)



15 minutes to 9





5 minutes to 12

Jack wants to tell the time, but the hour hand has fallen off the clock.



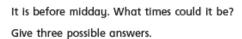
There are 12 different possible times it could be during a full day.



Do you agree with Jack? _____ Talk about it with a partner.



The minute hand and the hour hand of a clock are both pointing to an even number.





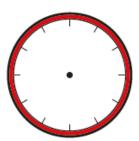


Compare answers with a partner. Can you find any more?



The numbers of the clock face were written in Roman numerals but they have been rubbed off.

The current time has a V in the hour and a V in the minutes.



What time could it be? Draw your answer on the clock. Are there any other answers?



Talk about it with a partner.

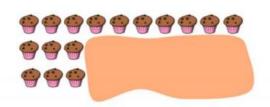




<u>Lesson 5 – Friday Maths Challenge</u>

Challenge 1

30 cakes are arranged in an array. Some of the cakes are hidden.



How many cakes are hidden?

Challenge 2

Work out the missing numbers.

$$10 \times 2 = 5 \times \bigcirc$$

$$10 + 2 = 5 + \triangle$$

$$10 \div 2 = 5 \div$$

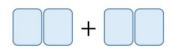
Challenge 3

Danni has these four digit card



Danni uses all four cards to make two 2-digit numbers.

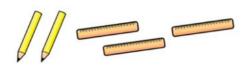
She then adds the two numbers together.



What is the greatest total she can make?

Challenge 4

Sonny buys 2 pencils and 3 rulers.



Each pencil costs 69p.

Sonny pays with a £5 note and receives £1.07 change.

How much does a ruler cost?

Challenge 5

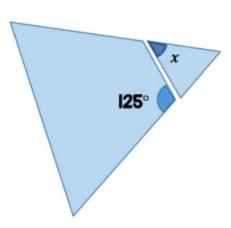
Adam has an equilateral triangle.

He cuts a corner off the triangle.

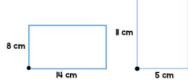
Here are the two pieces.

Challenge 6

Here are two rectangles.



What is the size of the angle marked x?



The two rectangles are put on top of each other.

They are lined up so the black circles overlap.

The shaded area shows where the two rectangles overlap.



What is the area of the non-shaded parts of the shape?



Aim High... Fly High...

Challenge 7



In exactly 6 years time the sum of our ages is 84



How old was Anne this time last year?

Challenge 8

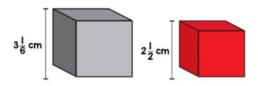
Here is a rule for generating a sequence.

Double the previous number and then subtract I

The third term of the sequence is 25.

What is the difference between the first and fifth terms?

Challenge 9



Jack builds a tower using grey blocks.

Alex builds a tower using red blocks.

The towers are exactly the same height.

What is the minimum number of blocks they each use?

Challenge 10

A speedboat sets out from a port P on a bearing of 120°.

The speedboat travels at 48 mph.

A fishing boat sets out from port P on a bearing of 210°.

The fishing boat travels at 20 mph.

How far are the two boats apart after 90 minutes?

As a rough guide of difficulty level:

- Challenge 1 and 2 are suitable for ages 5 to 7.
- Challenge 3 to 6 are suitable for ages 7 to 11.
- Challenge 7 to 10 are suitable for ages 11 to 15.

We want everyone to get involved with challenge day, so work together to solve as many as you can and share your solutions!