YEAR 6





Hello, Year 6!

Believe it or not, this week would have been SATs week! You have all worked exceptionally hard this year in preparation for this important week. We know that many of you were looking forward to this week to prove to yourselves what you are capable of. Although it would have been a challenging week, we would also have made it full of fun activities. In the spirit of Year 6 tradition, we are going to put your knowledge and skills to the test with our specially made (and slightly funny) SATs papers! You can take part in Breakfast club by having a piece of toast...unfortunately not made by Julie, to start your day! After all the hard work you will be putting in, you may also want to treat yourselves with some sweets or cakes, as this is something we would have done after a test. This would have been a hard week for you all but one that you would remember for a long time! Best of luck for this week – let us know how you're getting on by sharing your activities on Twitter!

Miss Moule

Miss Hill

EVERY DAY

Daily Maths lessons - <u>https://whiterosemaths.com/homelearning/year-6/</u> (Summer term Week 2 w/c 27th April) We are a little behind the WR maths schemes.

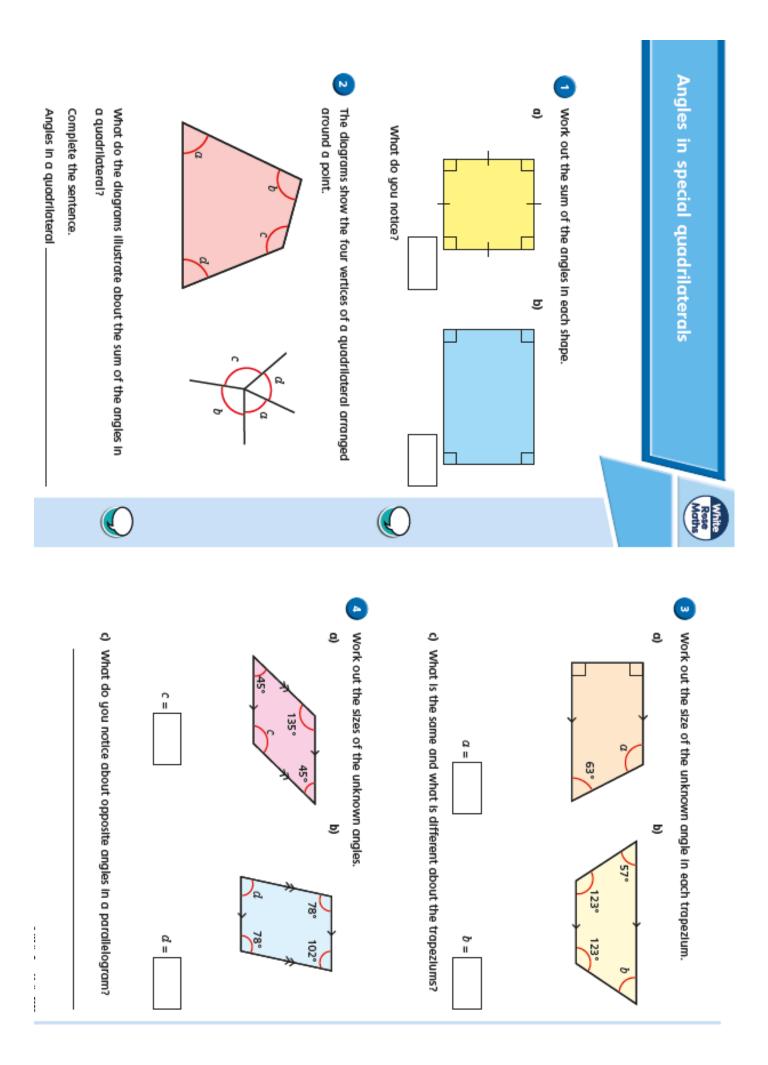
Julie

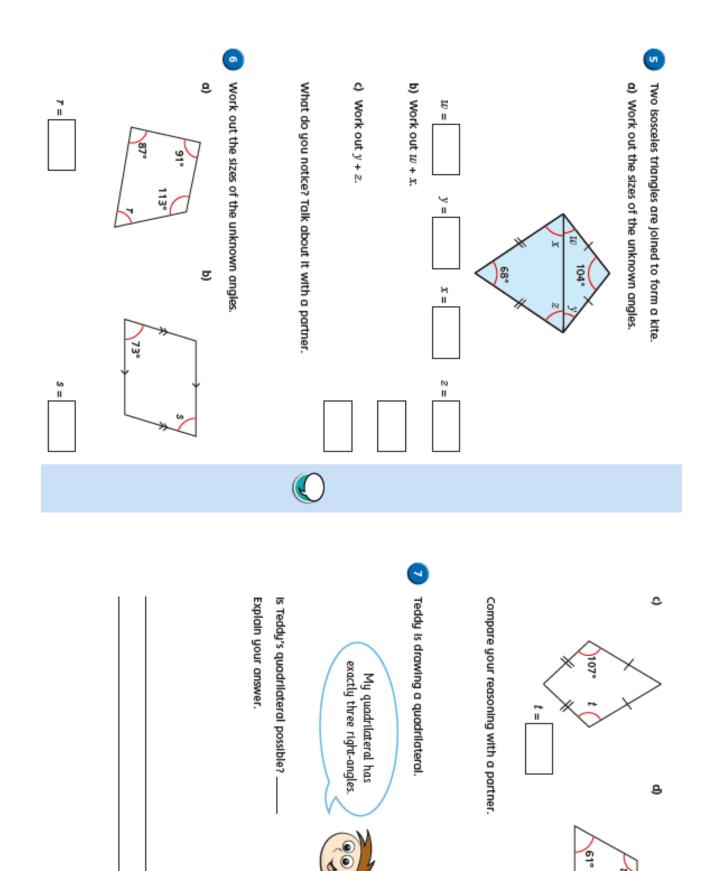
Watch the video and then complete the written task (some may need printing). This is 30-40 minutes work. This week is angles in quadrilaterals, polygons and problem solving.

Mathletics - 15-20 minutes (more if you wish).

Read for at least 30 minutes.

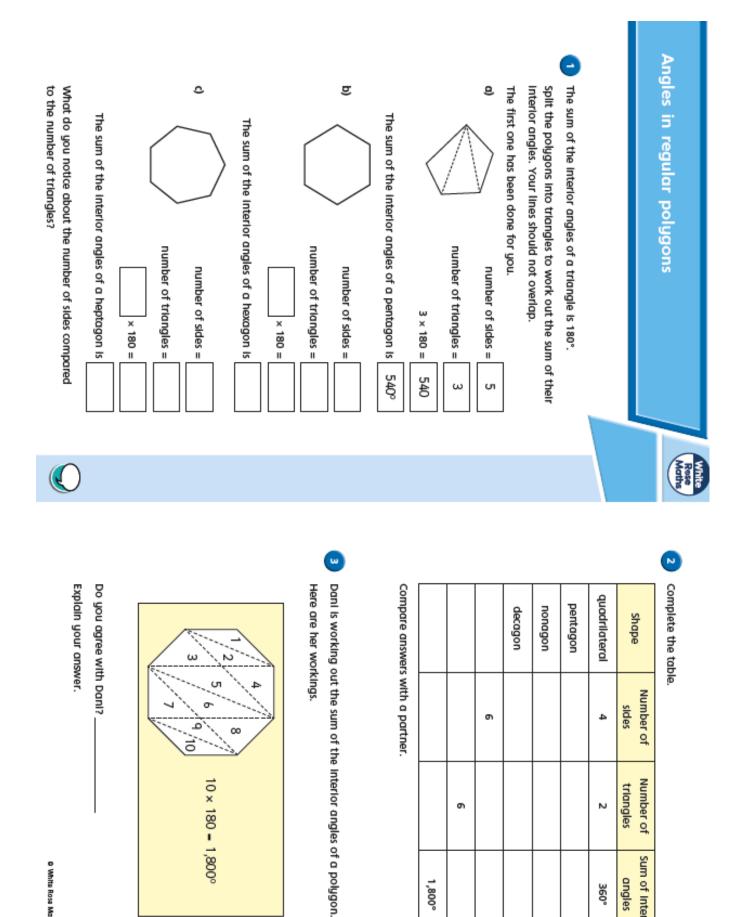
			<u>Here is your timetable for</u>	r the week						
Monday		White Rose Maths	Silly Grammar Test!	Meditation						
		Day I – Angles in		After your first day of SATs, you may want to unwind.						
		special	Silly Spelling Test!	Find a quiet place, possibly outside. Close your eyes and						
		guadrilaterals.	5 1 5	listen to what is around you. Think about what you can						
		L		hear or feel. You may want to do some positive self-talk						
				or reflect on your time at home. En joy this time to relax						
				and be mindful. Think about what you are grateful for						
				or what you would like to do to become even better.						
Tuesday		White Rose Maths	Silly Reading Test!	Board games – choose some of your favourite board						
		Day 2 – Angles		games or quiz games. Play with your family and enjoy						
		regular polygons.		spending some fun time together! You could always play						
	<u> </u>		T	a game with your friend online!						
Wednesday	Y	White Rose Maths	Test your arithmetic!	Get outside! Do some exercise, play a game, create a						
	\leq	Day 3 – Problem	https://www.twinkl.co.uk/resource/usk2 _pirate_themed_mental_calculations_	dance, explore nature, take part in a fitness video or do						
		Solving	<u>code-breaker-differentiated-activity</u>	some yoga!						
Thursday	\vdash	White Rose Maths	<u>sheets-t2-m-254590</u> Silly Reasoning Test!	Design a quiz. You could write questions for a number						
Thursday	S	Day 4 — Problem	Stug Neusonung Test!	of different rounds. Some ideas include a Film and TV						
	\leq	Solving		round, a Geography round or perhaps Sports and						
		Cotting		Leisure. Have your family take part in your quiz during						
	I			the evening. There could be a prize for the person who						
				scores the most points!						
Friday		White Rose Maths	Arrange an end of SATs virtu	ial garden party with your friends or family!						
		Day 5 – Friday								
		Maths Challenge.	5 5	ate some invitations. These could be handwritten or made						
		For an extra	on the computer to email to your friends.							
		maths challenge,		ل ب ال ال ال						
		complete	Create some decorations or props for your party – you could organise a theme within							
		challenges 7–10.	your group! Bunting and paper chains are a great idea!							
		, in the second s	Talk about all the incredible things you've been up to and celebrate your success! Use Facetime or Whatsapp to include as many of your friends as you can!							
			raceume or vonaisapp to include as many of your triends as you can!							





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1,800°

Number of triangles N

Sum of Interior

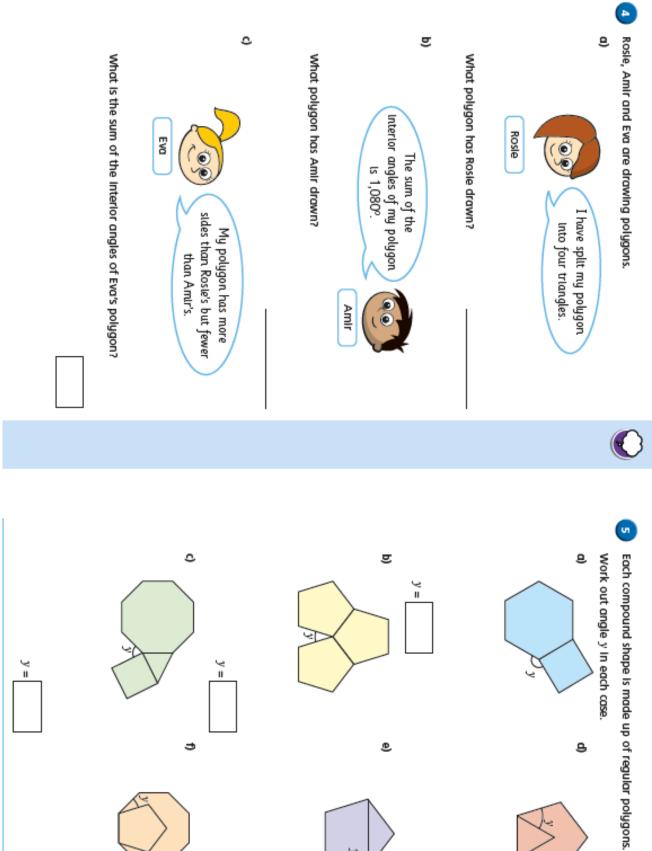
angles

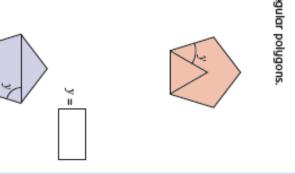
360°

© White Rose Mattes 2020

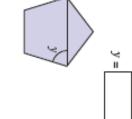
C

10 × 180 - 1,800°

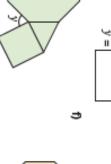


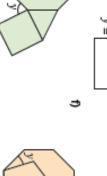


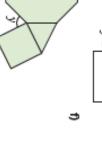


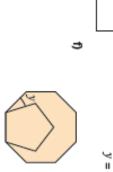












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Problem Solving

A car park is full.

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- $\frac{1}{3}$ of the cars leave
- 60% of the remaining cars are red.



There are 174 red cars. How many cars left the car park? 2 Mo has some red and green sweets.

- He eats $\frac{1}{3}$ of the sweets.
- $\frac{3}{4}$ of the sweets left over are green.

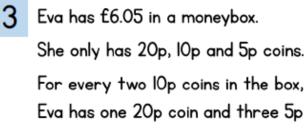


Your turn

 Mo buys himself 30 more green sweets.

There are now 162 green sweets. How many sweets did Mo start with?

Problem Solving



coins.

How many of each coin does Eva have in her moneybox?



4 Dexter has to make the scales read between 250 g and 300 g.

He only has 10 g, 25 g and 50 g weights.

He has to use at least one of each weight.

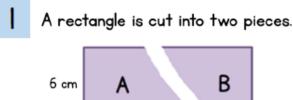
For every three 10 g weights on the scales, Dexter uses one 25 g weight.

What combinations could he use?



Your turr

Problem Solving



The area of B is $\frac{2}{7}$ of the area of the rectangle.

The area of A is 36 cm² greater than the area of B.

What is the length of the rectangle?



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The area of B is 40% of the area of the rectangle.

A is cut in half to make shape C and D.

The area of B is 8 cm² greater than the area of C and D.

What is the area of the whole rectangle?

Problem Solving

3 Tommy is getting a taxi home.

The taxi company charges at the following rate.

Taxi Fares							
First 5 mins	£3.80						
Next 5 mins	£3.10						
Every following minute	40p						

The taxi leaves school at 3.47 p.m.

It arrives at Tommy's home at 16.04

How much does the fare cost?

- U Your turn
- Eva is getting a taxi home.

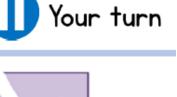
The taxi company charges at the following rate.

Taxi Fares								
First 3 km	£3.80							
Next 5 km	£3.10							
Every following km	ЧОр							

This is her journey home.

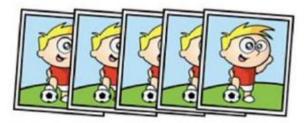


How much does the fare cost?



Stickers come in packs of 5.

Max buys 12 packs.



He gave his three friends some stickers.

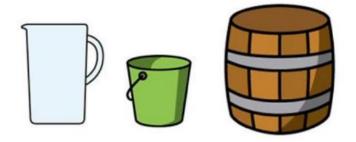
They each receive the same number.

He has 27 stickers left.

How many stickers did Max give each of his friends?

Challenge 4

Here are 3 containers.

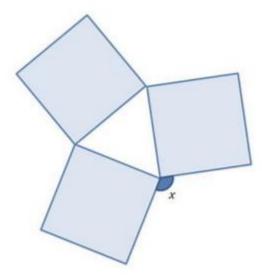


- The jug can hold 1500 ml.
- The bucket can hold 2 litres.
- The barrel can hold 15 litres.

Anisa wants to fill the barrel with water.

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

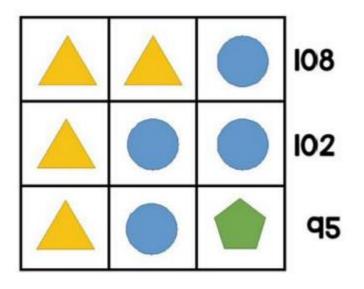
Three identical squares are arrange to make this pattern.



What is the size of the angle marked x?

Challenge 6

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

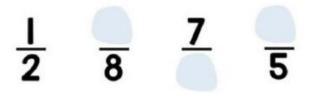


Each shape represents a number.

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

Find the value of each of the shapes.

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



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

What could the missing numbers be?

Challenge 8

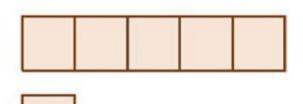
Connor has five times as much money as Jayden.

Connor gives some money to Jayden.

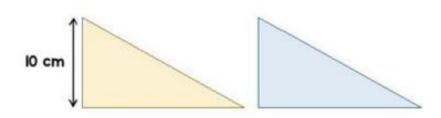
They now have £8.52 each.

How much did Connor have at the start?

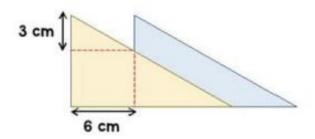
Hint: The diagram below may help you.



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.

Pirate-Themed Mental Calculations Code Breaker

Use the code breaker to reveal the pirate-themed words.

Find the words you reveal in the word search.

a	Ь	G	d	e	f	9	h	i	j	k	l	m.
121	642	125	8	12	11	16	22	216	48	49	36	603
n	0	р	q	r	s	t	u	v	w	×	y	z

	Answer	Letter	[Answer
64 200 ÷ 100				7/12 of 24	7/12 of 24
102				112	112
0.125 × 1000				36 357 - 28 653	36 357 - 28 653
53				6992 + 712	6992 + 712
11/12 of 132				25 652 - 24 780	25 652 - 24 780
15184 - 8140				7/12 of 144	<u>7</u> of 144
3/0f28				5184 - 5059	5184 - 5059
2 11 of 66				1.21 × 10 ²	
4052 + 3652				2 of 35	
1400 ÷ 10 ²				0.084 × 1000	
6 ²				112	1
0.121 × 10 ³				21600 ÷ 100	
8140 - 1096				7.044 × 10 ³	1
72					
- 1			•	53	T
33			-	102	1
8053 - 7932 6 ³				0.84 × 100	
6" 4 × 3 ²				62	
4×3.				11 100 of 1100	
				3,	
				<u>3</u> of 72	-3/8 of 72

Pirate-Themed Mental Calculations Code Breaker

10 M - 1	р	α	r	0	t	f	g	h	i	j	k	ι	
	m	n	р	р	q	r	s	t	u	р	w	х	
7	y	Z	a	l	с	С	u	t	ι	a	s	s	
	k	ι	b	n	α	р	ą	r	s	r	u	v	
	w	х	y	u	α	n	с	d	е	r	g	h	
	s	j	k	l	С	n	k	р	q	0	s	t	
	n	v	w	х	y	С	s	b	С	t	е	f	
	a	h	i	j	k	l	α	n	0	р	q	r	
	i	s	u	v	w	х	i	n	α	b	с	d	
~	ι	f	α	h	i	j	ι	ι	е	n	0	р	
	q	с	α	р	t	α	i	n	y	е	α	b	
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