

Year 5 - Thursday 16th and Friday 17th July

We've made it! The summer holidays have nearly arrived. Both Miss Norcross and myself would like to say a big THANK YOU and WELL DONE to all of you for your commitment and effort with your home learning during this lockdown period. We know that it has been hard and challenging for you all adapting to this new way of learning. We are very proud of what you have achieved, and have enjoyed getting to know you all a little better through emails, phone calls and meetings.

A huge thank you to your parents and carers also for guiding you with your work and keeping you going whilst juggling this with their own commitments. We know that must have been difficult.

We hope you all have a relaxing and well-deserved summer holiday and, whatever you get up to, keep safe and take care. We are looking forward to seeing you back in school in September.

With love, Miss Norcross and Mrs Spears x

English

Reading



Summer Reading Challenge.

Enrol yourself for the West Sussex Summer Reading Challenge at: <https://summerreadingchallenge.org.uk/> and find out a little more about this year's challenge.

Keep going with your reading over the summer, use this time to enjoy reading with an adult and also find those quiet moments when you take yourself off to read by yourself.

Lexia – I wonder how many levels it would take to complete this reading program.

English Activities



Try out the Word Searches and the Summer Crossword, which are available for you to complete alongside this Home Learning sheet. Enjoy.

Remember to keep in touch with each other over the holidays. We have so many options to communicate, listen and support our friends these days, please use them.

Maths

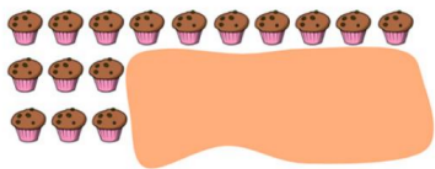
Mental maths



Why not have a go at some of these challenges? Remember they start easy and get harder? The answers are included at the bottom.

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.

$$10 \times 2 = 5 \times \text{blue circle}$$

$$10 + 2 = 5 + \text{orange triangle}$$

$$10 \div 2 = 5 \div \text{green square}$$

$$10 - 2 = \text{yellow heart} - 5$$

These are the answers to last week's challenges:

Challenge 1 = 68p

Challenge 2 = 50

Challenge 3 = 34, 42, 50

Challenge 4 = $6/16 = 3/8$

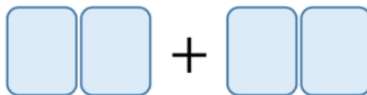
Challenge 5 = 890g

Challenge 3

Danni has these four digit cards.



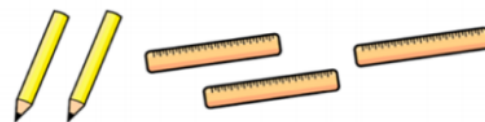
Danni uses all four cards to make two 2-digit numbers. She then adds the two numbers together.



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.

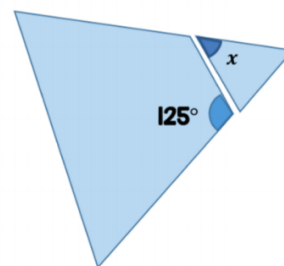
How much does a ruler cost?

Challenge 5

Adam has an equilateral triangle.

He cuts a corner off the triangle.

Here are the two pieces.



What is the size of the angle marked x?

Don't forget to keep logging on and enjoying Sumdog. We wonder whether you can improve your animal ranking?

Well done to Harvey, Dawson and Caitlin for earning the most coins this year with Harvey earning 72, 619 coins! Fantastic effort! In Lewes Class there are 11 different animal rankings.

In Amberley Class, look in reports class reports for number of different animals and the top three highest number of coins.

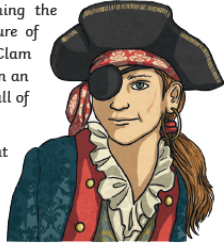
Maths task

Ahoy me hearties! Have a go at this pirate challenge and see if you can work out which island the treasure is buried on. Use the second sheet to help record what you find out. There are 4 different activities and each one will lead to a clue. When you have the clue, go back to the green table here and cross off what you know it can't be based on what you have found out. Good luck! (Answer at the bottom). The sheets are included with the home learning.

The Mystery of the Missing Pirate Treasure

The pirates of the Jolly Jack have been searching the Caribbean for months looking for the lost treasure of the Crusty Clam. Legend has it that the Crusty Clam was damaged in a terrible storm and washed up on an island. In its hold was said to be a treasure chest full of gold, jewels and gems.

The Jolly Jack's captain, Olly Eyepatch, has thought of nothing but finding the lost treasure of the Crusty Clam. She has spent weeks searching through old pirate books and maps trying to find out which island the legendary treasure is buried on.



Can you help Olly Eyepatch and her pirate crew to solve the clues and find out which island the legendary treasure is buried on?

Good luck!

Location	Highest point above sea level	Population	Distance	Location of the island's treasure caves
Albatross Cliffs Island	220m	17 246	251 miles	north
Barnacle Beach Island	575m	82 105	164 miles	south-west
Cutlass Creek Island	8m	6504	25 miles	north-east
Deserted Island	22m	19 995	39 miles	south-west
Fenny Bank Island	3m	11 785	156 miles	north-east
Grotto Island	314m	22 700	264 miles	east
Golden Ghost Island	307m	1687	189 miles	south-west
Helter-Skelter Island	689m	8452	65 miles	west
Kelpie Bay Island	64m	21 564	100 miles	south-east
Limpet Lookout Island	192m	8658	36 miles	south-west
Mermaid Mile Island	60m	1562	8 miles	north-west
Poison Reef Island	1m	12 092	154 miles	south
Ring of Rocks Island	218m	560	92 miles	north-west
Sinister Pool Island	562m	861	87 miles	south-east
Vulture Valley Island	258m	9027	98 miles	south-east
Whitewater Bay Island	452m	2929	58 miles	south-east

The buried treasure can be found on: _____

Clue 1

Check these maths calculations. If a calculation is right, put a tick. If it is wrong, put a cross. Count up the number of ticks and crosses.

If there are more ticks than crosses, the buried treasure is more than 150 metres above sea level.

If there are more crosses than ticks, the buried treasure is less than 150 metres above sea level.

	Right ✓	Wrong ✗
$32.6 - 21.52 = 11.8$		
$10.04 + 17.37 = 27.41$		
$2.3 + 1.84 + 3.07 = 6.94$		
$95.32 - 26.86 = 68.46$		
$1.257 + 15.682 = 16.939$		
$68.72 - 39.562 = 29.162$		
$15.686 + 39.868 = 55.554$		
$107.248 - 57.3 = 49.948$		
$84.732 - 69.92 = 14.64$		
Total		

Clue 2

Use written methods of multiplication and division to solve these calculations. Colour the answers in the table below. Re-arrange the shaded words to find the second clue.

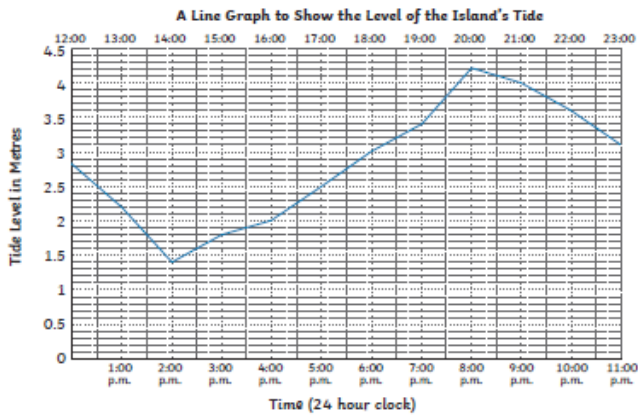
1. $18 \times 36 =$	2. $756 \div 9 =$	3. $8.2 \times 12 =$
4. $1024 \div 8 =$	5. $19 \times 28 =$	6. $65 \times 92 =$

98.4 the	92.4 is more than	88 one thousand	540 six thousand
84 of the	532 population	640 five thousand	130 four thousand
648 island	128 is less than	5980 ten thousand	6980 three thousand

For 8.2×12 just partition 8.2 to help work out the answer mentally.

Clue 3

Answer the questions about the tide on the mystery treasure island. Colour the answers in the table below. Re-arrange the shaded words to find the third clue.



- What is the height of the tide at 3:00 p.m. in the afternoon?
- How many hours did it take for the tide to change from its lowest level to its highest level?
- What is the height of the tide at 7:00 p.m.?
- By how many metres did the tide level change between 2:00 p.m. and 8:00 p.m.?
- By how many metres did the tide level change between 8:00 p.m. and 11:00 p.m.?

6 hours	1.7 metres	1.2 metres	1.1 metres
the	is less than	60 miles	70 miles
5 hours	3.4 metres	2.8 metres	1.8 metres
80 miles	island	is more than	away

Clue 4

Order each set of numbers from smallest to largest. Take the largest number in each set and colour it in the table below. Re-arrange the shaded words to find the final clue.

1.	2.6	1.84	1.8	1.805	2.06
2.	1.1	1.2	2.1	1.19	2.2
3.	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{5}{6}$	$\frac{11}{24}$	$\frac{2}{3}$
4.	56 235	56 181	56 824	65 455	56 881
5.	56.268	562.68	5.626	56 268	5626.8

the south-west	located in	treasure caves	the north-east
2.06	$\frac{5}{6}$	2.2	2.1
island's	the south-east	the north	the east
2.6	$\frac{2}{3}$	56 881	5626.8
are	the south	the north-west	the west
65 455	1.84	56 268	$\frac{5}{8}$

Other

Subject 1: Pirate science!



Pirate Density Investigation



You will need: an empty bottle



Fizzy Pirate Coins



You will need: baking soda water coins
 food colouring flour (optional) vinegar



Method:

- Clean some pennies to be shiny pirate coins, to do this place them in cola or vinegar.
- For the rocks, pour your baking soda into a bowl and add water slowly until it makes a paste. (If you want to pad out the baking soda, add some flour when you mix. As long as it's not more than half and half you should still get a good reaction).
- Add a couple of drops of food colouring and mix well.
- Either mould with your hands or use cake moulds to create shapes, press a coin into each.
- Leave in the fridge overnight.
- Use a dropper to drop vinegar onto your pirate rocks.

The Science Bit

Why does this happen? Vinegar (an acid) and Bicarbonate of soda (an alkali), react together to neutralise each other. This reaction releases carbon dioxide gas, which causes the bubbles you see.

Materials Make Pirate Ship?



anything else you want to try

Method:

- Construct your boats using your different materials.
- Test your boats on the water.

Science Bit

blow on the boats with a straw?
 the most stable?
 blow gently and then with more force?

Subject 2: Art

Summer activities

See activities alongside your Home

Have a look at some of these art summer activities.
Summer Sunset, Sea Art, Sunglasses Art, Sunflowers Painting, Dream Summer, Tennis

Virtual Sussex School Games.

Look at your **Old Skool Sports Day** challenges (see Google classroom to check what they involve and watch the videos). Practise again later in the week to get your best score. **Remember to submit your score before midday on Friday.**

<https://www.activesussex.org/virtual/>

Answers to the maths challenges from above

1) 14 cakes

2) Challenge 2 -

3) 95

4) 85p

5) 65°

● = 4 ▲ = 7 ■ = 1 ♥ = 13

Answer to the Mystery of the missing pirate treasure

Clue 1: The buried treasure is more than 150 metres above sea level.

Clue 2: The population of the island is less than 10 000.

Clue 3: The island is more than 70 miles away

Clue 4: The island's treasure coves are located in the north-west.

The buried treasure can be found on **Rings of Rock Island**

Why not have a look at Google Classroom?



Don't forget you could see how well you know Miss Norcross with the quiz about her.

Don't forget to keep looking at Google Classroom over the summer and add to the stream with your news. We will look at it from time to time.

Remember, join your class meets on Friday to have that final farewell before the summer holidays.

Have a great summer everyone! See you in September!