



HOME LEARNING

YEAR 6

13/07/2020 – 17/07/2020

Weekly Message

Good morning year 6,

Congratulations on completing your journey at Princess Frederica! It was lovely to see you all last week and spend such an enjoyable last week together. This is your final week of home learning! Take it easy – we won't be forcing any of you back into school for a detention if it's not completed!

We wish you the best of luck for all your future endeavours and the next exciting steps on your journey, wherever you are headed.

Have a great week,

Mr Larke and Ms Yerlisu

Weekly Writing



This week, we will be writing a story based on the picture above. and following on from this:

Roger was feeling tired after his long walk on the beach. His legs were heavy after trudging all evening through the Cornish sand. He was about to turn for the cliff path and home when his eyes were briefly blinded by the setting sun reflecting off an object in the sand. Bending down to investigate, he discovered a clear bottle half-buried in the sand containing what appeared to be a letter rolled up within. Roger sat down, uncorked the bottle, withdrew the parchment and read...

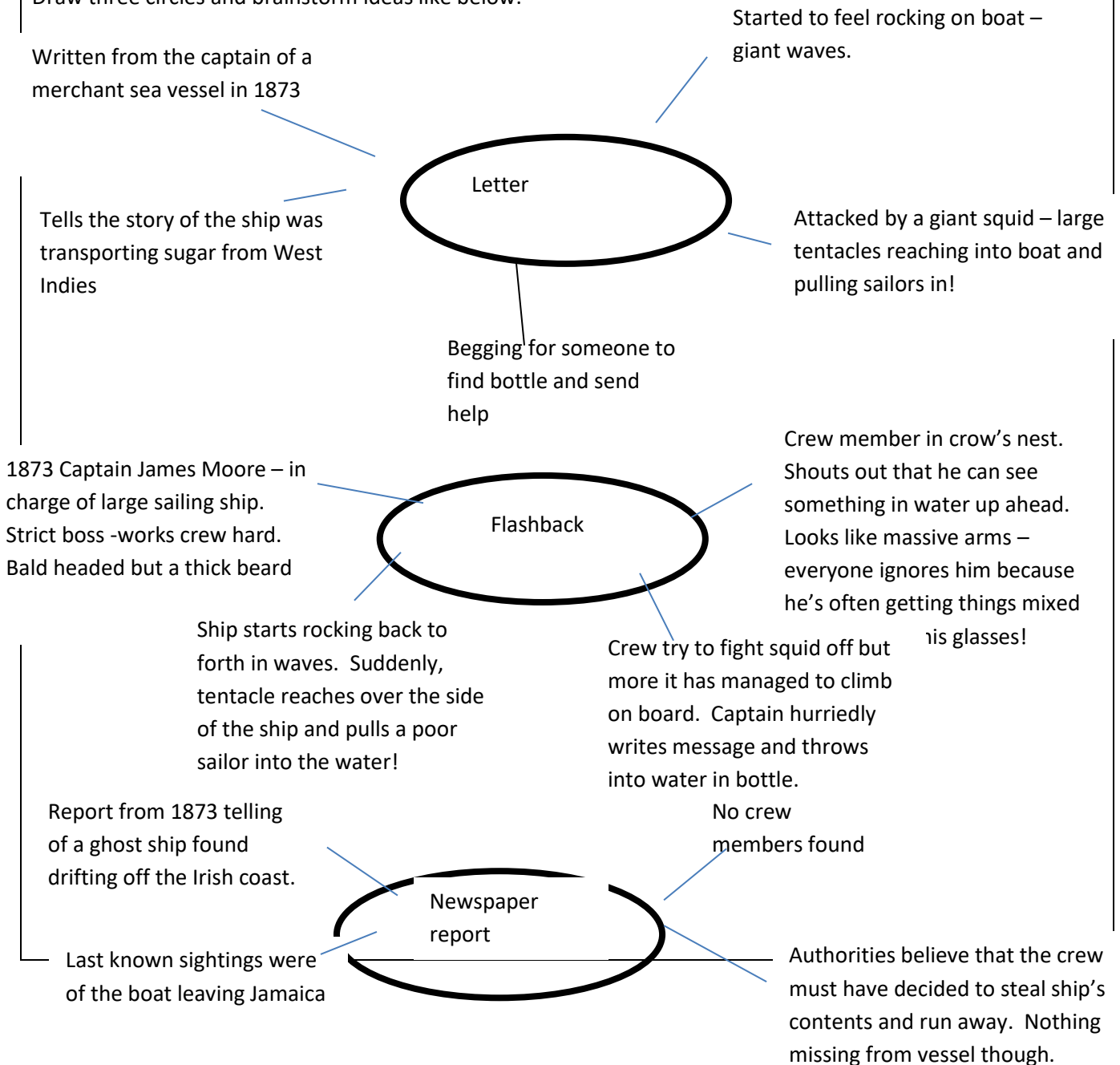
Your job is to write 3 parts to a story:

1. The letter.
2. A historical flashback - as a third person narrative - telling a dramatic scene about why the letter writer had to throw the letter into the water. Leave on a cliffhanger.
3. A newspaper report telling the story from an alternative angle

Monday LO: to plan a story

Today, we will be thinking about what the letter says and what happened before the letter was thrown into the water.

Draw three circles and brainstorm ideas like below:



Other ideas:

- group of children were shipwrecked on a desert island
- young boy stowed away to sea with pirates
- girl stranded on a wooden crate floating at sea after ship sank

Tuesday: to write a message in a bottle

Here is a message that I might write from the plan we did yesterday:

June 9th 1873

Help help help! Disaster has struck. Rumours of a giant squid in these parts are to be believed - we are being attacked.

Captain James Moore here of the SS Frederica sailing ship. We are sailing from the West Indies to Britain carrying a precious cargo for delivery to Liverpool docks. A giant squid rose up from the depths of the ocean and attacked the vessel. It has thrown some of my crew into the sea. 'Tis a huge, snarling beast with at least eight tentacles and teeth as sharp as glass. We are fighting back bravely but I do not know if we will defeat the creature. It has managed to get onto the boat now and is laying waste to all around. I fear we are doomed. Please send help as quick as possible. We are 1 day North East of Jamaica. Hurry – there is little time! This is NOT a hoax. Repeat, this is not a hoax

Task: write your message in a bottle. Use the plan from yesterday.

Wednesday LO: to write a flashback

Here is the start of the flashback that I might write from my plan on Monday.

Captain James Moore stood happily on the deck of his ship: The Frederica. The weather was fine, with not a cloud in sight and there was a strong breeze excellent for making progress across the Atlantic. The ship was sailing true and well. If the weather stayed good, they would be back in Liverpool in three weeks and Captain Moore would be in for a bonus.

"Scrub that deck, gather those sails, clean those canons!" he shouted. Captain Moore always liked to keep his men busy. He was a notorious task master and was feared by all members of the crew.

Suddenly, there was a call from a sailor in the crow's nest. "There's something ahead, in the water". Captain Moore ran to the front of the ship. He saw a sight that terrified him...

Task: write the flashback. Try to introduce drama and excitement. Can you leave it on a cliffhanger?

Thursday LO: to write a newspaper report

Today, we will write a report that adds to the story somehow.

If I were writing a report from my plan on Monday, it might start like this:

Article taken from Times newspaper 23rd June 1873

GHOST SHIP FOUND DRIFTING IN IRISH SEA

Yesterday afternoon, a merchant sailing vessel was found sailing in the Irish sea with no crew members on board. The abandoned ship was supposed to be transporting sugar from Jamaica to Liverpool. There were signs of a struggle but none of the cargo was missing. The authorities are baffled as to what happened.

Task: write newspaper report

Friday LO: to proof-read and edit

Today you have 3 tasks:

1. Finish your story
2. Proof read your writing: check for punctuation and spelling.
3. Edit your writing: Improve some of your words or rewrite sentences to make them even better!

Weekly Spelling

The following words are from word banks that you will begin to learn at secondary school. These particular words contain what are known as 'unstressed' vowels. That means when you speak the words, you don't sound out all the vowels e.g. *abominable* You don't really hear the *i* vowel when reading it. Your job for this week is to learn the words in the final list ie. from *similar* to *widening*.

abandoned	conference	easily	generous	library	offering	similar
abominable	consonant	explanatory	geography	literacy	original	skeleton
alcohol	corporal	extra	grammar	literate	parallel	smuggler
animal	deafening	factory	heaven	literature	parliament	stationary
astronomy	definite	familiar	history	locomotive	poisonous	stationery
benefit	definitely	family	holiday	lottery	predict	telephone
boundary	describe	fattening	hospital	margarine	prepare	television
business	description	February	illiterate	marvellous	primary	vegetable
carpet	desperate	flattery	interest	mathematics	prosperous	voluntary
category	dictionary	formal	interested	medicine	reference	Wednesday
Catholic	difference	freedom	January	memorable	Saturday	widening
centre	different	frightening	jewellery	messenger	secretary	
company	disinterest	general	journalist	miniature	separate	
compromise	doctor	generally	lettuce	miserable	signature	

Weekly Maths

Monday

Maths Murder Mystery 2

At 9am, when the maid knocked on the door of Lady Bilkington's room in the Rits Hotel, there was no reply. She had asked for breakfast in bed and a few minutes later, the manager opened the door. Lady Bilkington was lying dead in her bed. Beside her was a half drunk cup of cocoa which smelt rather odd. Later tests revealed that this had been laced with poison. Her jewellery case containing the Bilkington diamonds was empty.

The waitress who had served the evening cocoa was nowhere to be seen. Her body was found in her room – she had been shot. The police were now looking for the mastermind behind this and the diamond theft. The waitress, not entirely trusting the mastermind, had left hidden in her room 6 clues in code. The first five give helpful facts about the murderer and the 6th clue reveals where the diamonds are.

There are 32 suspects. Each clue eliminates half of the suspects.

Can you find the murderer and the place where the diamonds are hidden?

Forename	Surname	Sex	Freckles	Right / Left handed	Pet	Motorbike	Guilty?
Fred	Dunstone	M	Yes	R	none	Yes	
Mary	Pearson	F	Yes	R	hamster	Yes	
Sophie	Beckles	F	No	R	horse	Yes	
Anne	Smith	F	No	L	dog	Yes	
Jim	Jones	M	No	R	cobra	Yes	
Lizzie	Rogers	F	Yes	L	donkey	Yes	
Egbert	Williams	M	Yes	L	dog	Yes	
Sam	Cheadle	M	No	L	rat	Yes	
Beth	Lubbock	F	No	R	spider	Yes	
Abdirahman	Mustafa	M	Yes	R	crocodile	Yes	
Grace	Pinder	F	Yes	R	terrapi	Yes	
Simon	Robinson	M	No	L	praying mantis	Yes	
Saskia	Walker	F	No	L	goldfish	Yes	
Orla	Minstrel	F	Yes	L	tortoise	Yes	
Harry	Pitcher	M	Yes	L	snail	Yes	
Tom	Maynard	M	No	R	pony	No	
James	Wren	M	Yes	L	cat	No	
Ruth	Jameson	F	No	R	poodle	No	
Becky	Sands	F	Yes	R	mouse	No	
Amina	Khan	F	No	L	parrot	No	
India	Fisher	F	Yes	L	gerbil	No	
Ian	Dent	M	No	L	cockroach	No	
John	Begler	M	Yes	R	ferret	No	
Gavin	Redrup	M	No	R	viper	No	
Jake	Griggle	M	Yes	L	butterfly	No	
Courtney	Pinkles	F	No	R	stick insect	No	
Faisal	Iqbal	M	No	R	rattle snake	No	
Marion	Machin	F	Yes	R	snail	No	
Tim	Smithers	M	Yes	R	alligator	No	
Safia	Obed	F	No	L	python	No	
Ella	Woller	F	Yes	L	turtle	No	
Dennis	Winter	M	No	L	spaniel	Yes	

Clue1- Each answer is a letter on the alphabet.

Example 1) $m+10=30$ m is 20 so m stands for letter T



Clue 1 - Calculate M for Murder.





Can you work out the value of m in each of these?

- 1) $m + 10 = 30$
- 2) $3m = 24$
- 3) $m + 14 = 19$
- 4) $m - 4 = 12$
- 5) $m + 10 = 25$
- 6) $4m = 36$
- 7) $m - 11 = 8$
- 8) $m + 6 = 21$
- 9) $m \div 2 = 7$
- 10) $8m = 40$
- 11) $m \div 3 = 6$
- 12) $2m + 4 = 20$
- 13) $10m = 10$
- 14) $m + 6 = 25$
- 15) $2m + 2 = 30$
- 16) $m \div 5 = 3$
- 17) $3m - 3 = 15$
- 18) $m \div 2 = 9$
- 19) $20m = 100$
- 20) $9m - 2 = 25$
- 21) $3m + 7 = 40$
- 22) $3m = 36$
- 23) $m - 5 = 0$
- 24) $m + 9 = 28$

Read the clue 1 vertically

Clue2- Highlight the letters with no lines of symmetry, 1 line, 2 lines and 8 lines of

symmetry. Read the clue-2 left to right.

Clue 2 – The Mirror Cracked from Side to Side

“There’s a pleasing symmetry about this code,” remarked the Inspector after many hours puzzling.

“How does it work?” inquired Smithkins, his assistant.

“You start looking through the letters for one with 1 line of symmetry,” he explained. “When you have found one, you then carry on till you find one with 2 lines of symmetry and then another with one line and so on.”

“What has 8 lines?” asked Smith.

“She can’t have been really good at Maths – it means O but there’s a lot more than 8 really.”

“Better not drop my mirror while I’m working this out!”

121110

Z	T	S	R	H	P	Q	E	F	J	M	N	U	W	X	R		

110102

I	J	D	S	E	Y	W	R	Q	P	E	C	A	R	T	I		

0180110

E	S	C	G	A	O	I	E	L	O	L	D	B	I	E	L		

88111020

E	O	A	O	F	R	D	E	P	D	L	W	D	I	K	J		

112120011

Q	E	T	S	P	H	E	F	P	I	R	M	P	J	E	T		

Tuesday

Clue 3

Most of these sequences are straight forward apart from:

- 7) square numbers
- 8) prime numbers
- 10) Fibonacci
- 13) prime numbers
- 14) doubling
- 17) doubling

Use the alphabet for each missing number in sequences.

Example 1) m is 20 so 20th number on alphabet is T

The Fibonacci Sequence is the series of numbers:

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ...

The next number is found by adding up the two numbers before it:

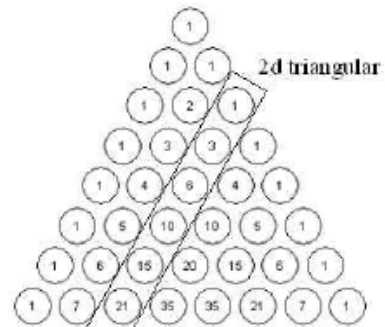
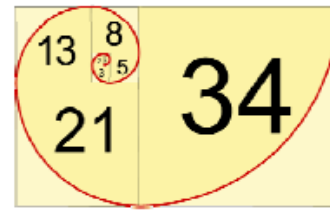
Clue 3 - Solve in Sequence

In this cipher, A=1, B=2 etc. Can you work out the value of m in each of these?

- | | | | | | |
|----|----|----|----|----|----|
| 1) | m | 40 | 60 | 80 | |
| 2) | 2 | 4 | 6 | m | |
| 3) | 35 | 25 | 15 | m | |
| 4) | 19 | 17 | 15 | m | |
| 5) | 7 | 14 | m | 28 | |
| 6) | 12 | 13 | 15 | m | |
| 7) | 1 | m | 9 | 16 | |
| 8) | 2 | 3 | m | 7 | 11 |

4, 5, ?

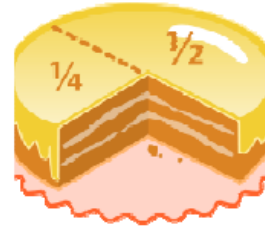
- 9) -6 0 6 12 m
- 10) 0 1 1 2 3 m
- 11) 48 38 28 m
- 12) 6 m 12 15 18
- 13) 7 11 13 17 m
- 14) 3 6 m 24 48
- 15) -25 -15 -5 m
- 16) 1 m 11 16
- 17) 10 m 40 80 160
- 18) 68 48 28 m
- 19) m 3 6 10 15
- 20) 112 56 28 m
- 21) 1 2 m 8 16
- 22) 0 m 10 15 20
- 23) 1 m 7 10



Clue 4- Find each fraction of amounts

Clue 4 – No time for inaction – sort out the fraction!

In this cipher, A=1, B=2 etc.



- 1) $\frac{1}{2}$ of 40
- 2) $\frac{2}{3}$ of 12
- 3) $\frac{1}{5}$ of 25
- 4) $\frac{1}{8}$ of 88
- 5) $\frac{3}{4}$ of 12
- 6) $\frac{2}{3}$ of 18
- 7) $\frac{1}{4}$ of 48
- 8) $\frac{1}{8}$ of 40
- 9) $\frac{2}{3}$ of 27
- 10) $\frac{3}{8}$ of 48
- 11) $\frac{3}{5}$ of 15
- 12) $\frac{1}{6}$ of 24
- 13) $\frac{1}{3}$ of 15
- 14) $\frac{1}{2}$ of 38
- 15) $\frac{1}{8}$ of 8
- 16) $\frac{1}{5}$ of 65
- 17) $\frac{3}{4}$ of 20
- 18) $\frac{5}{8}$ of 32
- 19) $\frac{1}{3}$ of 45
- 20) $\frac{3}{5}$ of 30
- 21) $\frac{1}{8}$ of 16
- 22) $\frac{3}{8}$ of 24
- 23) $\frac{1}{4}$ of 44
- 24) $\frac{1}{6}$ of 30

Wednesday

Clue 5 – It's all in a rectangle.



TDLHULECBMAOUTYRESDDSEACRTHEAORNOEAL

"I know this one," chirped Smithkins. "You have to put the letters into a rectangle going down each column starting with the left hand column.

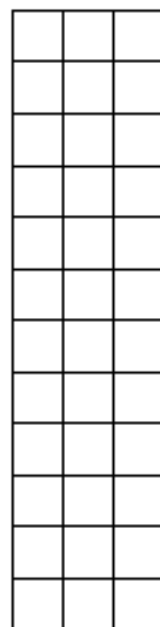
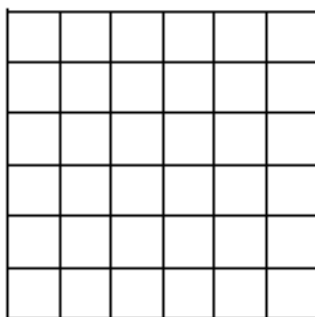
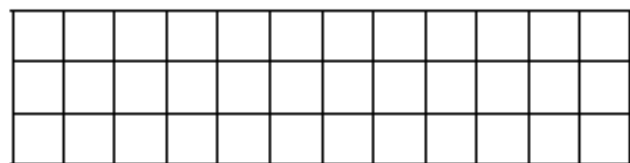
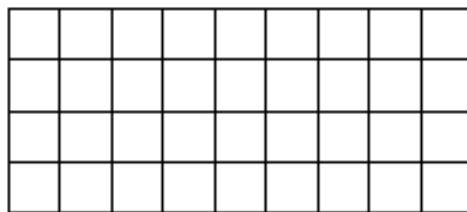
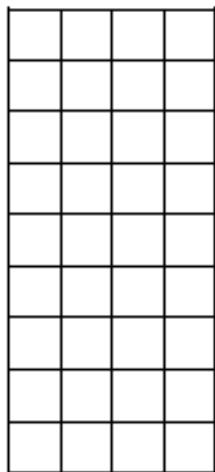
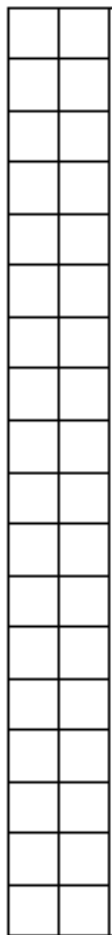
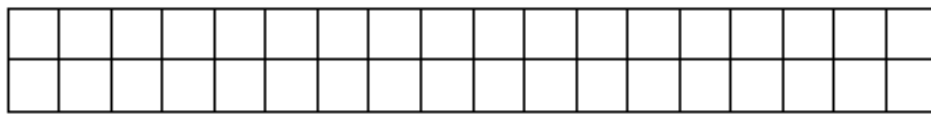
For example MSRAIETSAHGT has 12 letters and if you put it into a 3 x 4 column, look what happens!"

M	A	T	H
S	I	S	G
R	E	A	T

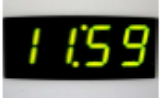
"Oh I see," exclaimed the Inspector. "You read it from left to right starting at the top – what a message! But the secret message has 36 letters so what size rectangle will we need?"

"I'm not sure," replied Smithkins. "We need some squared paper."

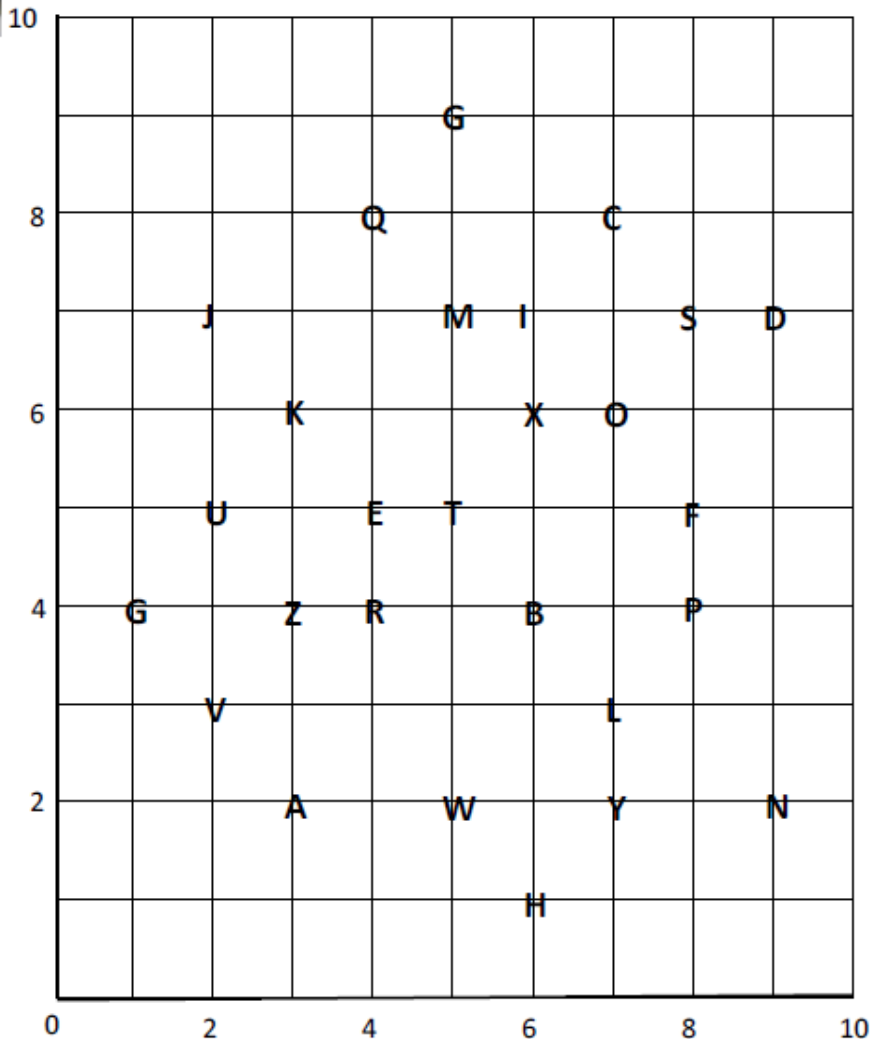
Clue 5- You need to put these letters in grids and when you read left to right it will be a message. You try the grids and find out which one works. You can draw grids on a paper.



Thursday



Clue 6—Getting to the digital root of the case.



(45,52) (15,34) (21,11) (41,61) (43,33) (72,101) (36,70) (53,205)

(33,502) (333,101) (221,1112) (331,222) (114,331) (322,111)

(211,221) (311,41) (97,89) (555,484) (557,961) (338,734)

(445,455) (922,841) (6624,1325)

“Those coordinates are way off the scale, they can’t possibly be connected,” observed Smithkins.

“Ah,” countered the Inspector. “You need to find the digital root of each number first – you add the digits”

“But what happens if the answer is more than 9?”

“You keep adding until you get down to 1 digit.”

“So the digital root of 46 is $4 + 6 = 10$ then $1 + 0 = 1$?”

“Yes”

Clue 6-Example

First coordinate (45, 52) $4+5=9$ $5+2=7$ (9, 7) on the grid is D

Follow the coordinates in order

Friday

Year 6 mini arithmetic test

1. $0.63 \div 9 =$

2. $0.08 \times 100 =$

3. $0.8 \times 0.8 =$

4. $1\,057\,458 - 1\,056\,897 =$

5. $3034 \div 41 =$

6. $4052 \times 47 =$

7. $\frac{7}{4} + \frac{5}{6} =$

8. $2\frac{3}{5} \times 2 =$

9. 52 % of 250

10. $6 + 5^2 \div 2 - 12 =$

Weekly Reading

We will not be setting a text this week for home learning. Your job is to continue your independent reading at home and then take some Accelerated Reader tests! Only a tiny amount have been carried out by year 6 in the last few months so we would like to see more! Here is the link:

<https://ukhosted3.renlearn.co.uk/1922510/Public/RPM/Login/Login.aspx?srcID=s>

Weekly Purplemash work

Your task this week is to create a profile about yourself in advance of heading to secondary school. The task has been set on Purple Mash. You will have the opportunity to write about various aspects of your likes/dislikes, favourite subjects, appearance, family, friends, religion etc. Start off by putting a photo of yourself in the middle of the profile, then it is up to you what else you would like to include and how you would like to format it.