

Week 8 - Year 6

1

Miss J:

Hey my lovelies. So last week I was stunned to see Snoop Dogg appear on my screen for a just eat advert. Not only that, but he is (very cleverly, actually) rapping about all of the different types of foods that you can order via the app trying to appeal to a younger audience of course

Your challenge, if you wish to accept, is to write your own just eat rap. It doesn't have to rhyme. But, you have to see how many different types of takeaways and foods you can incorporate into the rap. Good luck

Miss P:

Coming back to school.

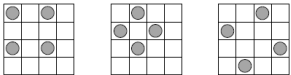
What do you think will change when you come back to school?

Brainstorm ideas.

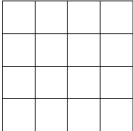
Miss J:

All square

On each of these grids, the counters lie at the four corners of a square.



What is the greatest number of counters you can place on this grid without four of them lying at the corners of a square?



Miss P:

Make 200

1 2 3 4 5 6 7 8 9

Choose four of these digits. Each one must be different. Put one digit in each box.



This makes two 2-digit numbers reading across and two 2-digit numbers reading down. Add up all four of the numbers.

In this example the total is 100.

12

47

$12 + 47 + 14 + 27 = 100$

How many different ways of making 200 can you find?



Challenge 1

Can you build a sugar cube structure?

- How tall can you build a tower before it falls down?
- What happens if you spray the cubes with water?
- Can you add anything to waterproof them?

Week 8 - Year 6

2

Miss J:

Continue your rap using Just eat's inspiration

Phrases he uses is things such as:

Chicken wings to the crib

Oodles of noodles

Tacos to the chateau (personally I thought Gateaux to the chateau would have been better)

Miss P:

Write a diary entry describing how school life has changed since coming back to school.

Miss J:

Slick Jim

Slick Jim won the lottery.

He spent two thirds of his winnings on a very posh house.



He spent two thirds of what he had left on a luxury yacht.



Then he spent two thirds of what he had left on a hot air balloon.



He spent his last £20000 on a flashy car.



How much did Slick Jim win on the lottery?

Miss P:

stem.org.uk

Millennium



At what time of what day of what year will it be:

- a. 2000 seconds
- b. 2000 minutes
- c. 2000 hours
- d. 2000 days
- e. 2000 weeks

after the start of the year 2000?



MAKE YOUR OWN LAVA LAMP

All you need to **make a lava lamp** is oil, water and an alka seltzer or effervescent vitamin tablet. These are great as they can be used over and over again. Just wait for the reaction to stop, add a bit more alka seltzer and it'll start all over again

Week 8 - Year 6

3

Miss J:
Edit and redraft your rap that you have created – it doesn't have to rhyme if you can't get it spot on – just try your best and have some fun with it

Miss P:
Continue diary entry.
Ensure to add punctuation and big up your vocabulary using thesaurus.

Miss J:

Bus routes

Six towns are connected by bus routes.
The bus goes from A back to A.
It visits each of the other towns once.
How many different bus routes are there?

This table shows the bus fare for each direct route.
B to A costs the same as A to B, and so on.

A to B	B to C	C to D	D to E	E to F	F to A	B to D	B to F	C to E	C to F
£4	£3	£4	£4	£3	£4	£5	£3	£2	£2

Which round trip from A to A is the cheapest?

Miss P:

www.siem.org.uk

Cola in the bath

A can of cola holds 33 centilitres.

If you had a bath in cola - don't try it! -
approximately how many cans of cola would you need?
Hint: 1 cubic centimetre is the same as 1 millilitre.

Challenge 3

MAKE A TREASURE
MAP

Our Summer holidays are about to start so I thought it would be a good time to spruce up this post full of **Science Challenges for kids**. They are all very simple and use mostly things you probably already have around the house.

Week 8 - Year 6

4

Miss J:

Can you learn your rap off by heart?

Try to learn as much as you can – then you could even perform it for us?

Miss P:

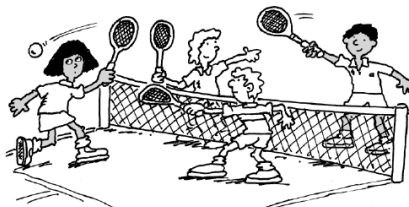
Ensure you have a variety of sentence starters.

Edit your writing.

Miss J:

Anyone for tennis?

Two boys and two girls can play tennis.



Ali said: 'I will only play if Holly plays.'

Holly said: 'I won't play if Ben is playing.'

Ben said: 'I won't play if Luke or Laura plays.'

Luke said: 'I will only play if Zoe plays.'

Zoe said: 'I don't mind who I play with.'

Which two boys and which two girls play tennis?

Miss P:

Spendthrift

Choc bars cost 26p each.

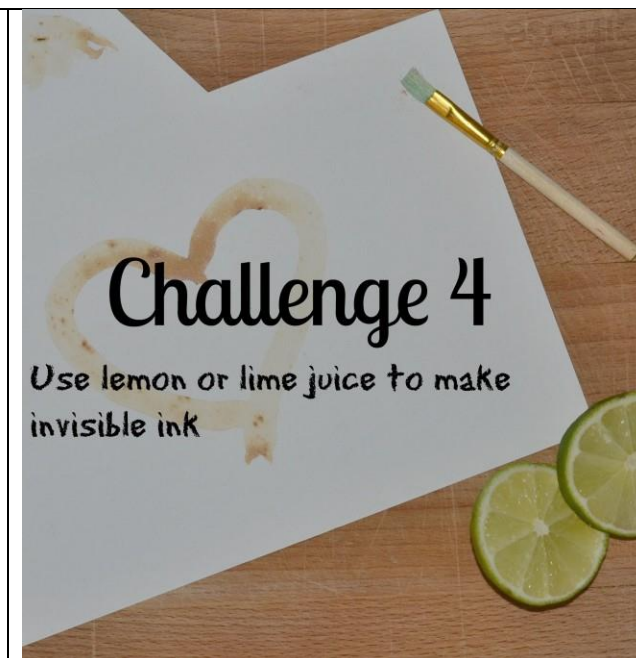


Fruit bars cost 18p each.



Anil spent exactly £5 on a mixture of choc bars and fruit bars.

How many of each did he buy?

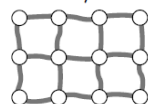


INVISIBLE INK

Just mix a little lemon or lime juice with a some of water and draw your message on some paper.

Ask an adult to put in the oven and your message will appear

Week 8 - Year 6

5	Miss J: Perform and send in your rap. PLEASE! I need something silly to make me smile =D If you don't want to perform it, you could just write it up and send it in for the school website. Miss P: Publish your writing. Make sure you send it to us!	Miss J: Make 200 Choose four of these digits. Each one must be different. Put one digit in each box. <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr></table> This makes two 2-digit numbers reading across and two 2-digit numbers reading down. Add up all four of the numbers. In this example the total is 100. <table><tr><td>1</td><td>2</td></tr><tr><td>4</td><td>7</td></tr></table> $12 + 47 + 14 + 27 = 100$ How many different ways of making 200 can you find? Miss P: Sleigh ride  In Snow Town, 3 rows of 4 igloos are linked by 17 sleigh paths. Each path is 10 metres long.  When Santa visits, he likes to go along each path at least once. His route can start and end at any igloo. How long is the shortest route Santa can take? What if there are 4 rows of 5 igloos?	1	2	3	4	5	6	7	8	9	1	2	4	7	Challenge 8  CAN YOU MAKE SOME SPINNING FELT TIP PENS SPINNING FELT TIP PENS Use cardboard discs to make spinning pens. You could try with paper and thinner/thicker card to see which work the best.
1	2	3	4	5	6	7	8	9								
1	2															
4	7															

Week 8 - Year 6