Hello Year 1, 06.07.20

How did you get on with money? We found it easiest to count using 10p coins at school. 10, 20, 30, 40, 50…

This week, White Rose is covering half and quarter, something we have done already. Feel free to recap the videos if you would like to and send an email (cal27@catshillfirst.worcs.sch.uk) to receive the worksheets.

The learning activities below will help you to

- Think logically
- Use addition and subtraction
- Explain how you worked something out (reasoning)

https://www.themathsfactor.com/ You can use BBC Bitesize too. Also, I know some parents have been using Twinkl while it was free. Free access has stopped, but we have a school account for this so just email me any links to resources that you would like. I can download and send them to you. I am in school every Monday and Tuesday and can print work for you to collect from the office if needed.

Thanks,

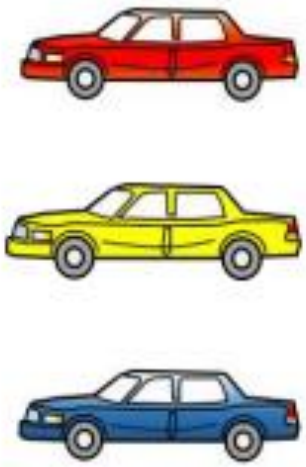
Mrs Mercer cal27@catshillfirst.worcs.sch.uk

PARKING LOTS 1

- There are 3 cars: a red car, a blue car and a yellow car.
- There are 3 parking lots for the cars.
- There are 6 different ways for the cars to park in the spaces.

How many can you find?

1
2
3



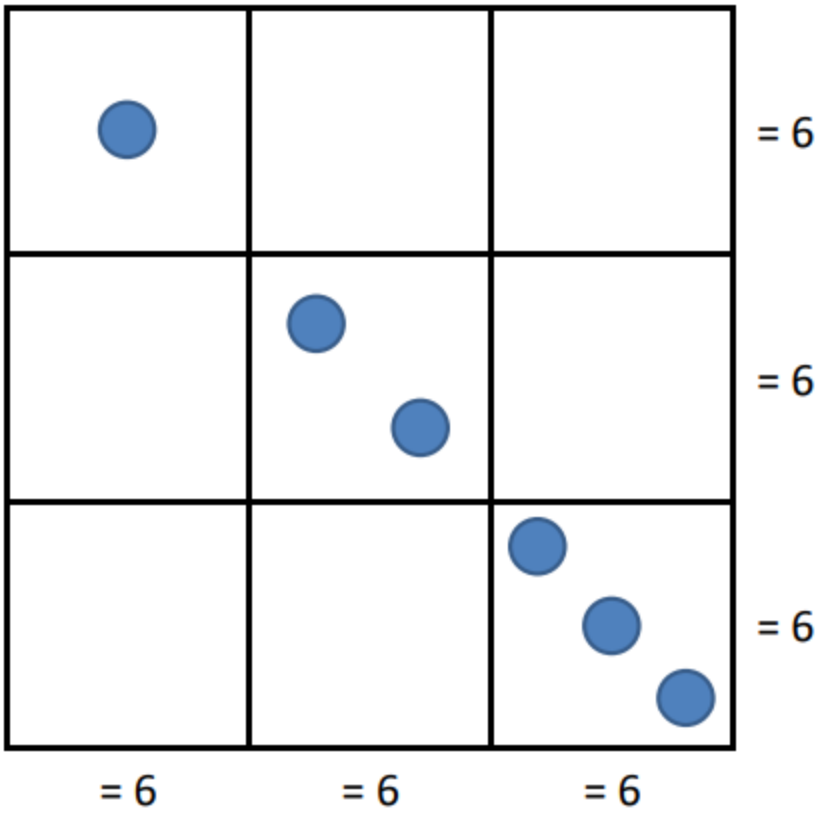
LOT 1	LOT 2	LOT 3
RED	YELLOW	BLUE

This one is a logic problem. You need to record the different answers and make sure you don't use the same order twice.

CLUE: try keeping RED in LOT 1 for the next row and swap BLUE and YELLOW. How will you find all six answers?

EASY AS 1..2..3

Draw 1, 2 or 3 dots in each small square so that the number of dots in each row and column is 6.



This requires logical thinking and simple addition of 3 numbers.

How to make it easier: Use objects to test out your ideas first (pompoms or grapes will do the trick!)

CLUE: each row and column should have a one, a two and a three.

How to make it harder: Make each row and column total 9 by using 2, 3 or 4 dots

MAKE 13

0	1	2	3	4	5	6	7	8	9

Challenge 1)

- Pick any **two** digit cards with a total of 13.
- There are 3 possibilities. Can you find them?

1)	2)	3)

Challenge 2)

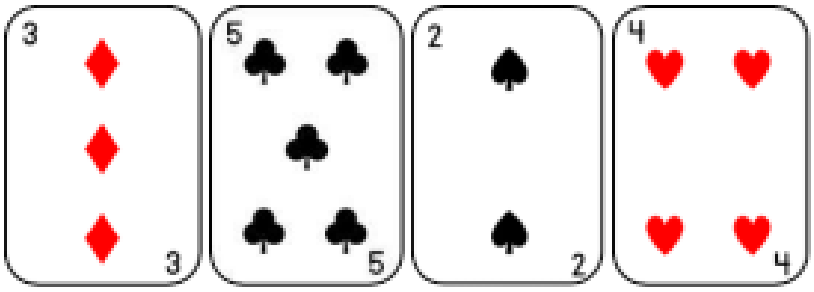
- Pick any **three** digit cards with a total of 13.
- There are 10 possibilities. How many can you find?

Challenge 3)

- Pick any **five** digit cards with a total of 13.
- How many ways can you find?

This problem makes you look for different answers. We know that 9+4=13. How many other sums equal 13 too? Use your pompoms! Count out 13 of whatever you've chosen to count with and split them into different groups.

PICK THE CARDS 1



- Choose from the four cards above to make the total in the table below.
- You can use two, three or all four cards each time.

TOTAL	CARDS
8	3 + 5
7	
9	
10	
6	
11	
12	
14	

How to make it easier: Pick 2 of the cards and add the numbers together. Does it make one of the totals in the table?

How to make it harder: Find 2 different ways to make each total. Are there any that only have one way? Why?

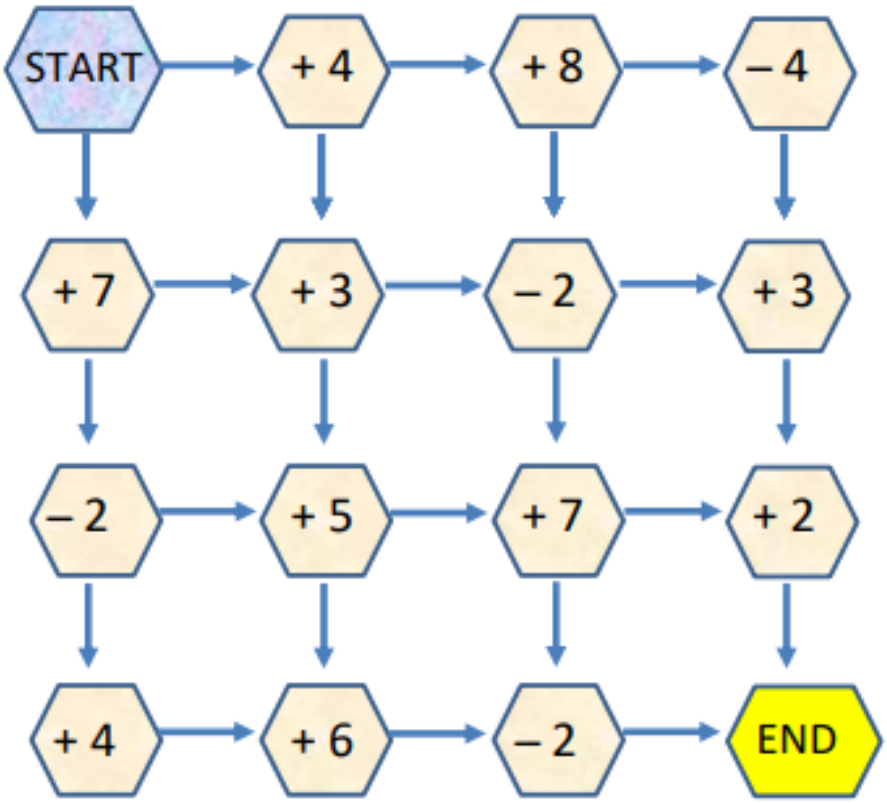
NUMBER MAZE: TARGET 15

Start the maze with zero.

You have to finish the maze with a total of 15.

You must follow one of the arrows each time.

There are two possible routes. Can you find them?



How to make it easier: use objects to help you keep count. Draw lines to show the route you took and cross out any that did not work.

How to make it harder: Find the highest and lowest possible end scores.