Thursday 18th June   Y4 Maths

For Maths today, complete the subtraction questions and then have a go at the problem-solving activities below.

solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Children should be able to carry out practical tasks such as to run the class market stall.

- I have read 134 of the 512 pages of my book. How many more pages must I read to reach the middle?
- There are 8 shelves of books. 6 of the shelves hold 25 books each. 2 of the shelves have 35 books each. How many books altogether are on the shelves?
- I think of a number, subtract 17, and divide by 6. The answer is 20. What was my number?
- You start to read a book on Thursday. On Friday you read 10 more pages than on Thursday. You reach page 60. How many pages did you read on Thursday?

A shop sells sunglasses

£4.69

£2.99

£5.85

What is the difference between the cheapest and most expensive?

Ryan buys sunglasses at £4.69 and a sun hat

hats.

£3.29 each

He pays with £10 note.

How much change will he get?

Mystery Shapes

Each of the following shapes has a value:

△ = 7   ▭ = 17

The value of the red shapes changes in each of the following problems.

Can you discover its value in each problem below, if the values of the shapes are being added together?

(a) △ ⬤ ▭ = 25

(b) ▭ △ △ ⬭ = 51

(c) △ △ ⬠ ⬠ ▭ ▭ = 136

(d) ◣ ◣ ◣ = 48

(e) △ ⬮ △ △ ▭ △ ⬮ △ = 100

Subtraction Surprise

Steps:

1. Choose a three-digit number where the first digit is bigger than the third digit.
2. Reverse the digits, and then subtract your second number from your first one. (for example, **6**45 reversed is 54**6**)
3. Take your three-digit answer and reverse the digits.
4. Add the answer and the reversed answer together. (If your answer wasn't a three-digit number, put a leading zero in the hundreds column before you reverse it, for example 65 becomes 065 and reversed it is 560).

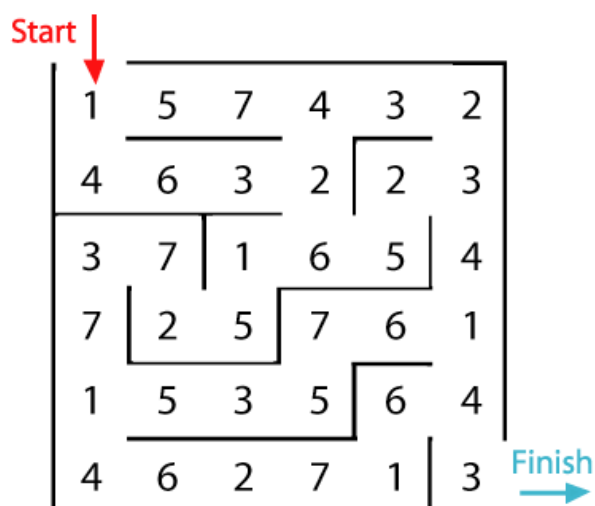Choose another three-digit number and repeat the steps above.

What do you notice about the answers?

Try starting with another three-digit number and see what happens.

Maze 100

In this maze there are numbers in each of the cells. You go through adding all the numbers that you pass. You may not go through any cell more than once.

Can you find a way through in which the numbers add to exactly 100?

Start

1	5	7	4	3	2
4	6	3	2	2	3
3	7	1	6	5	4
7	2	5	7	6	1
1	5	3	5	6	4
4	6	2	7	1	3

Finish

What is the lowest number you can make going through the maze?

What is the highest number you can make going through the maze? (Remember you may not go through any cell more than once.)