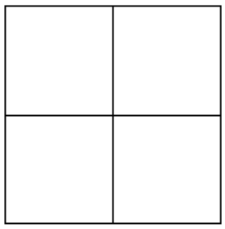
Fluency week beginning 29.06.20

Monday 29.06.20

Reach 100

Age 7 to 14 ★★

Here is a grid of four "boxes":



You must choose four **different** digits from $1 - 9$ and put one in each box. For example:

5	2
1	9

This gives four two-digit numbers:

52(reading along the 1st row)
19(reading along the 2nd row)
51(reading down the left hand column)
29(reading down the right hand column)

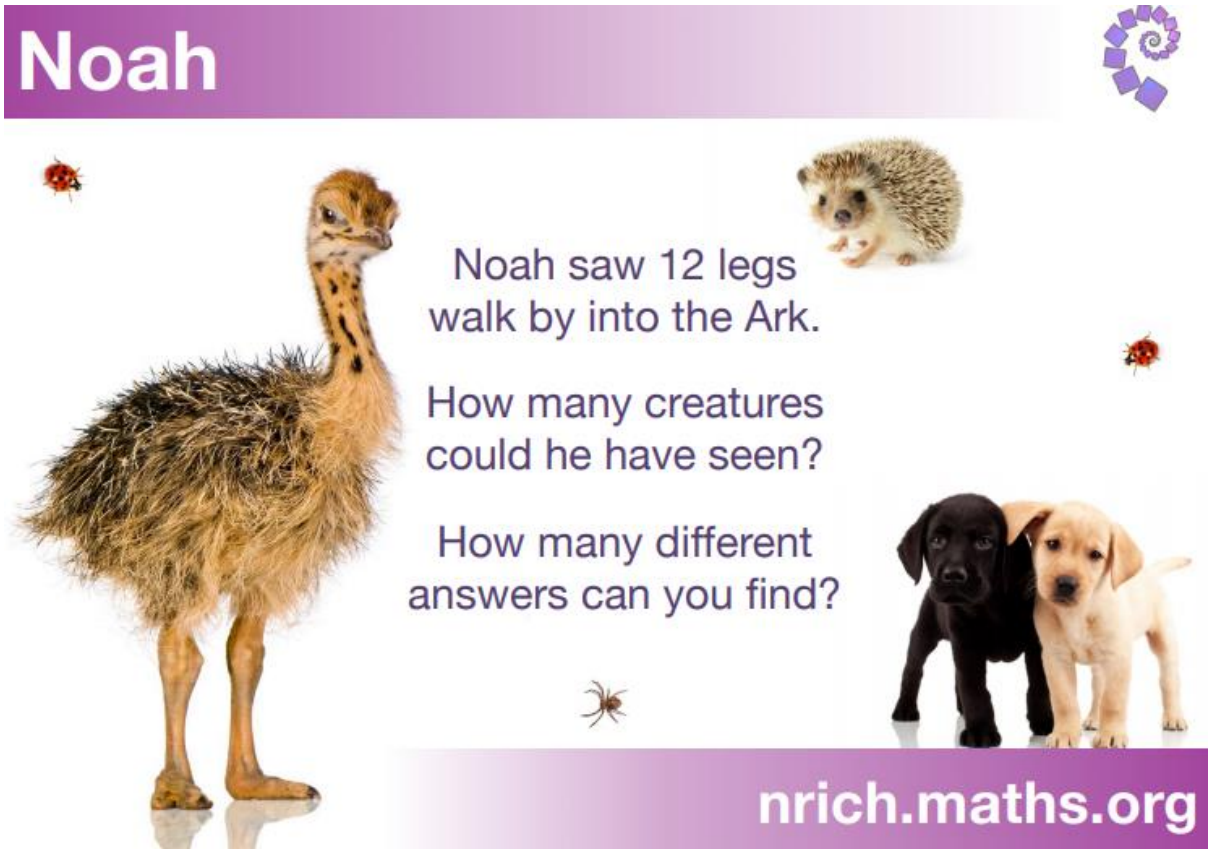
In this case their sum is 151.

Try a few examples of your own.
Is there a quick way to tell if the total is going to be even or odd?

Your challenge is to find four **different** digits that give four two-digit numbers which add to a total of 100.

How many ways can you find of doing it?

Tuesday 30.06.20



Wednesday 01.07.20

I'm Eight

Age 5 to 11 ★

When I went into a classroom earlier this week a child rushed up to tell me she was 8 that day.

Well, Happy Birthday to everyone who has a birthday today!

This challenge is about finding a variety of ways of asking questions which make 8.

You might think of 6 + 2, or 22 - 14 or...

However, try to create examples that use all the different mathematical ideas that you know about.

Perhaps you could challenge yourself to find ways of making 8 that you think no-one else will have thought of.

If you are not 8 years old, you might like to use your age instead of 8.

Thursday 02.06.20

MAGIC SQUARE WORKSHEET 2.1

In a magic square, each row, column and diagonal add up to the same total.

Can you fill in the missing numbers in these magic squares?

1) The sum is 15.

6		8
	5	
	9	4

2) The sum is 18.

		7
10	6	
	4	

3) The sum is 30.

		8
2	10	
		4

4) The sum is 24.

9	10	
		12
	6	

Friday 03.06.20

MAGIC SQUARE WORKSHEET 3.1

In a magic square, each row, column and diagonal add up to the same total.
Can you fill in the missing numbers in these magic squares?

1) The sum is 15.

	9	4
7		
	1	

2) The sum is 33.

13		
15	11	
	19	

3) The sum is 45.

	9	12
	15	27

4) The sum is 60.

21		23
17		19