

MISS PETERS' BRAIN TEASER CHALLENGE



MISS PETERS' PAINTING

Miss Peters' is painting a picture. She is only going to use two different colours in her picture. She can only choose from 6 colours - red, blue, orange, yellow, green and black.

How many colour combinations could she choose from?



DOUBLE DIGITS

How many 2 digit numbers can you make with the following numbers?



NUMBER SHAPES

Each shape represents a number between 15 - 30. Can you work out what number each shape represents?

$$\begin{array}{l} \square + \bigcirc = 53 \quad \bigcirc = \\ \triangle + \triangle = 36 \quad \triangle = \\ \triangle + \bigcirc = 45 \quad \square = \end{array}$$

MAKE 18

Find 3 consecutive numbers that can be added to make 18.

$$_ + _ + _ = 18$$

Helpful hint - Consecutive numbers are numbers that are in order e.g. 1, 2, 3 or 10, 11, 12.

UNDER THE BOOK

I have been counting. I have written the numbers on paper and my book has fallen on top of them.

How many numbers are under the book?

24, 26, 28, 30,  42, 44, 46

COUNTING BACKWARDS

If you start at 58 762 and count backwards in 10, 000s. How many steps will it take to get as close to zero as possible without going into negative numbers?

What number will you reach?

Round this number to the nearest 10.