

Out of Sight

You need: cubes

ACTIVITY ONE

Chris is making a calendar for his grandmother, using two wooden cubes. The cubes can be turned to make any date in the month:



8th of the month



12th of the month

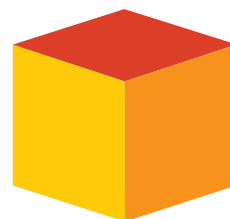
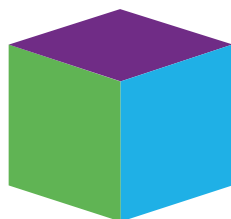
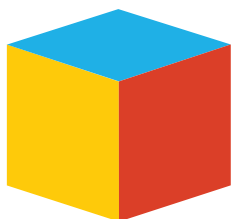


23rd of the month

What numbers should he paint on each face?

ACTIVITY TWO

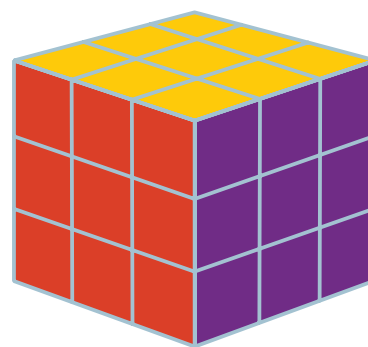
Helen is trying to solve a problem in her head: what colour is opposite blue?



ACTIVITY THREE

1. Tahlia has made this cube from lots of smaller cubes and then painted it.

How many of the small cubes are painted on 1 face? 2 faces? 3 faces? How many are not painted on any faces?



A table might help:

3 x 3 x 3 cube	Number of painted faces				Total
	1	2	3	None	
Number of cubes					

Take care not to count cubes twice!

2. Investigate 4 x 4 x 4 and 5 x 5 x 5 cubes in the same way. How can you use your experience with the 3 x 3 x 3 cube to help you find the numbers?