



Maths Activity

Focus on: (Area of Learning)

Using and applying – different ways to make 7

What you will need? (Resources)

Lego Bricks/interlocking cubes or anything suitable to visually count ie: socks/pencils

Paper

Colouring pencils/pencil

Communication Board

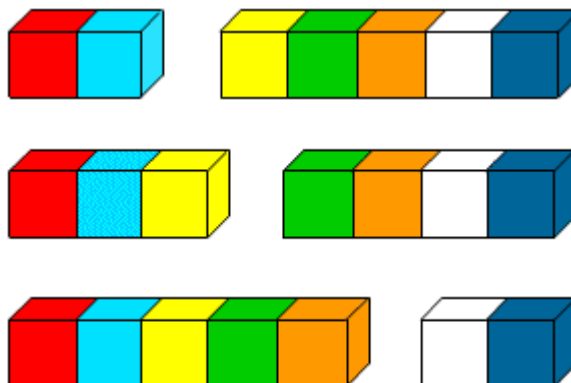
How to play the game? (Instructions)

You have a stick of 7 interlocking cubes. You cannot change the order of the cubes.



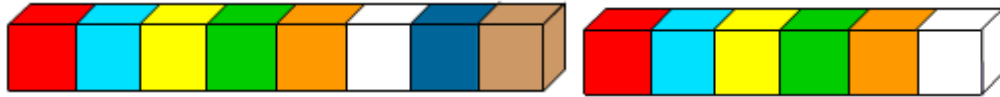
You break off a bit of it leaving it in two pieces.

Here are 3 of the ways in which you can do it:



- Use the communication board to encourage, counting and colours

Now try with a stick of 8 cubes or a stick of 6 cubes:



Can I make it harder/easier? (Differentiation)

To make it easier use less bricks

To make it harder you could use more bricks up to 20

If all the cubes are the same colour, a split of 4 and 2 will look the same as a split of 2 and 4

How many ways are there of splitting 6 cubes now?

Make a table of your results like this:


Number of cubes	Number of ways
6 cubes	?
7 cubes	?
8 cubes	?




Now predict how many ways there will be with 5 cubes.

Were you right?

How many ways with 20 cubes?

blocks



 |   **7**
Ways to make 7

finished



think



one
1

two
2

three
3

four
4

five
5

my turn



how many



six
6

seven
7

eight
8

nine
9

ten
10

your turn



I need help



take away



add



red



blue




green




yellow




orange



purple



pink



black

