Week beginning 15th June

Maths Challenge 1

How many groups can you make from?

Find a large set of similar ‘counters’- pasta pieces, buttons etc…

Today we are going to make groups of objects. All the groups must be equal- that means they have the same number of counters in each of them.

You could use a set of bowls or pots to count your counters into.

* Start with 10 counters.

How many groups of 2 counters can you make?

How many groups of 5 counters can you make?

How many groups of 10 counters can you make?

Draw an array for each of these, like we did last week.

|  |  |
| --- | --- |
|  | There are five counters in each row  There are two rows  There are two groups of five, ten altogether. |

* Use 20 counters- How many groups of two, five and ten can you make? Use an array each time to show how you grouped the counters.
* Each time add ten more counters and continue the process of grouping them into groups of two, five and then ten.
* Can you spot any patterns in the numbers?
* Can you use the pattern/s to predict how many groups of two or five or ten you’ll have next time?
* You could fill in the table on the next sheet to show what you found out.

|  |  |  |  |
| --- | --- | --- | --- |
| Number of counters shared in groups. | Number of groups of two counters | Number of groups of five counters | Number of groups of ten counters |
| ten counters |  |  |  |
| twenty  counters |  |  |  |
| thirty counters |  |  |  |
| forty  counters |  |  |  |
| fifty counters |  |  |  |
| sixty  counters |  |  |  |
| seventy  counters |  |  |  |