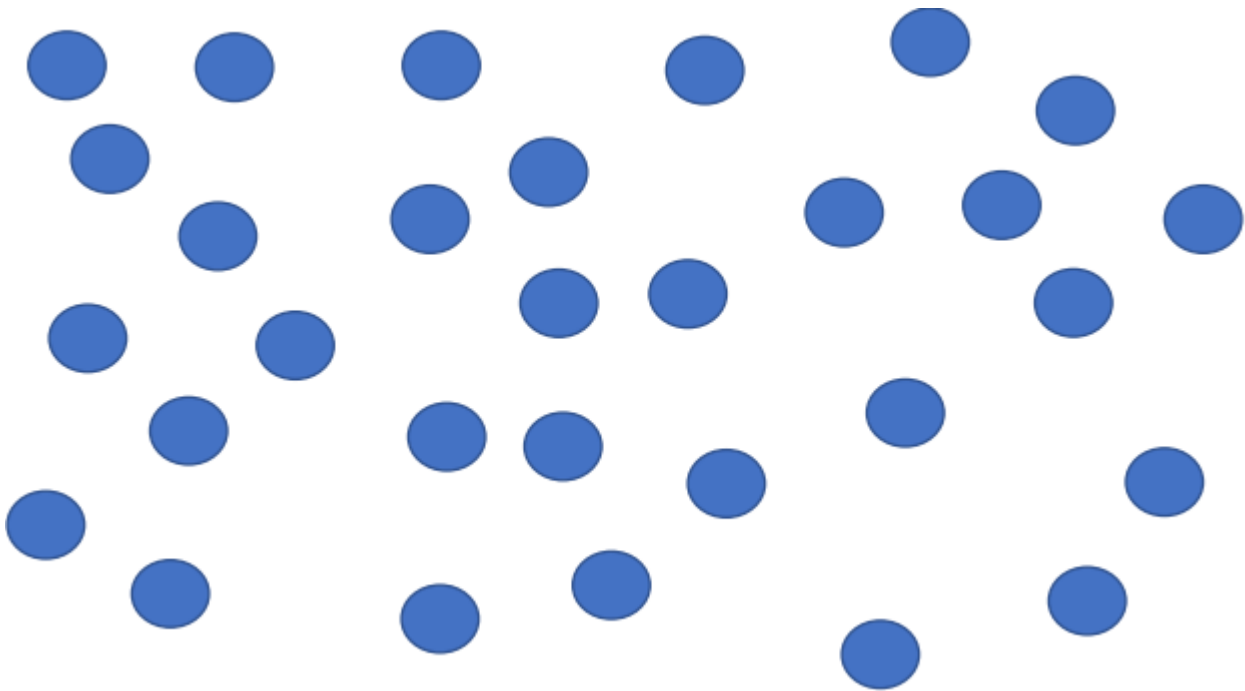


Maths challenges - W.B: 22.2.21

Monday

I have 30 counters. I have more than two groups but less than ten groups. All my groups are equal.

What could my groups look like?



Could you think of your own example for someone to solve? Can you explain to them what they need to do to find the different solutions?

Tuesday

Using your understanding of scales can you find the solution to make these scales correct?



A $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$

B $\text{five} + \text{five} + \text{five}$

C $\text{ten} + \text{ten}$

D $5 + 5$

E $10 + 10 + 10 + 10$

F $5 + 5 + 5 + 5 + 5$

G $2 + 2 + 2 + 2 + 2 + 2$

H $\text{two} + \text{two} + \text{two} + \text{two}$

How many solutions can you find?

Wednesday



My array has an even number of rows and columns. I have used fewer than 30 counters.

What is the biggest array Leo could have made? Draw the array below.

What is the smallest array Leo could have made? Draw the array below.

Can you think of your own example and find the answers?

Thursday

Olivia has made an array using 24 counters. Use the digit cards below to complete the sentence so that it could describe her array.



My array has ____ rows and ____ columns.

2

15

4

8

7

3

12

6

Could you create your own example and explain how to find the answer?

Friday

4 groups of children go on a school trip.

There are 10 children in each group. How many children go on the trip?

Is there more than 1 way to work out the answer?

Once you have solve the problem, can you create your own and explain how to solve the problem?