



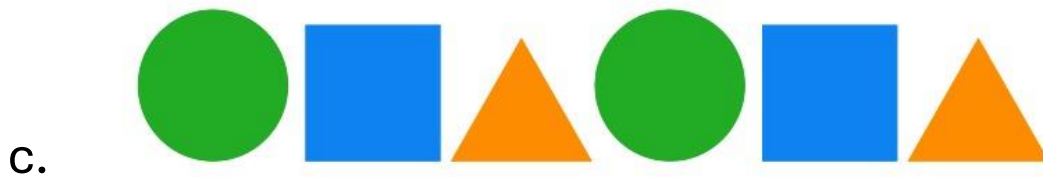
1. Continue the patterns below:

Start of the Pattern	What's Next		
			
<p>1, 3, 1, 3, 1, 3...</p>			
			

2. Can you circle the part of the pattern that repeats (or name the pattern rule if they are able to)?

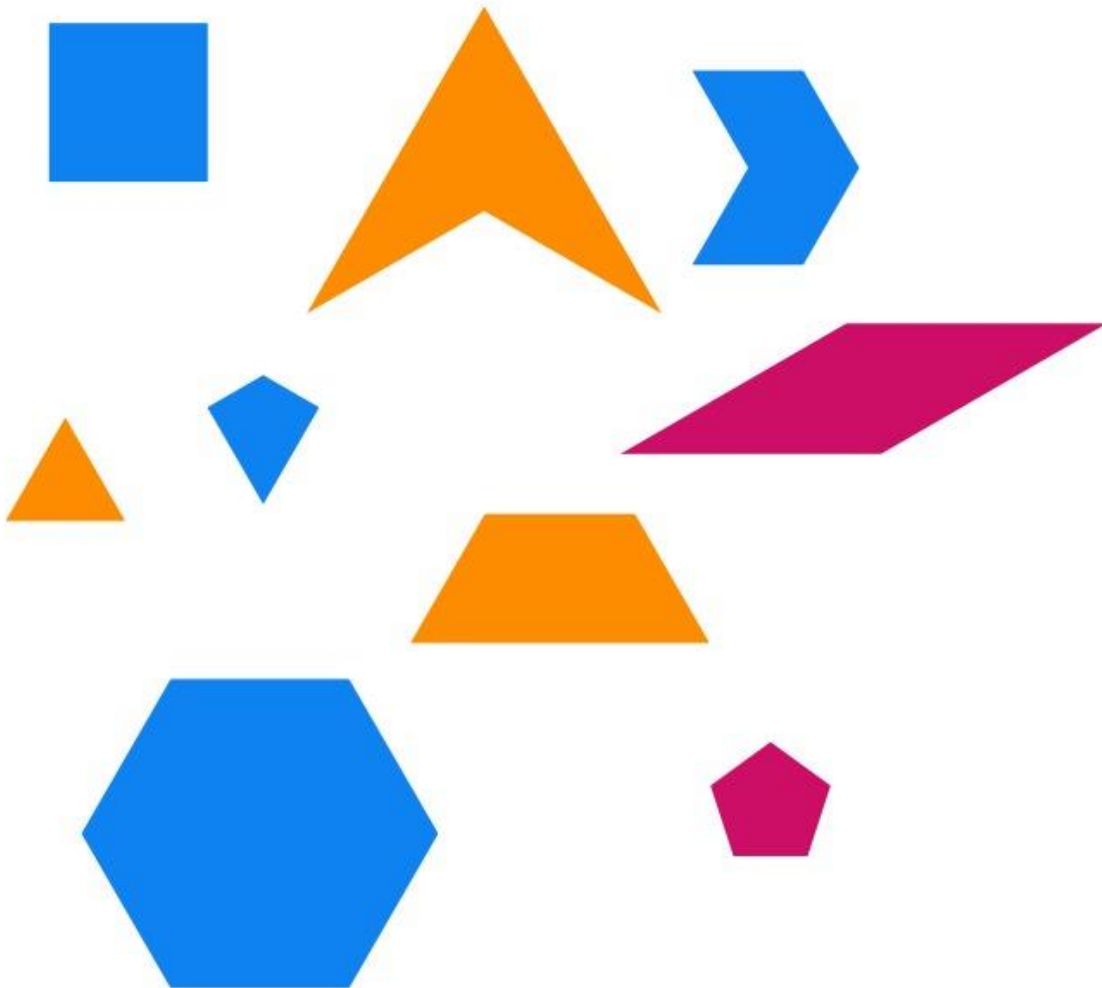


b. 1, 3, 1, 3, 1, 3



3. Sort these objects (circle which ones belong together).

- a) Sort by colour
- b) Sort by number of sides
- c) Sort by size (small, medium, large)



4. I'm thinking of a pattern that uses 3 shapes.  
Can you show two different patterns?

5. I'm thinking of a pattern that uses 3 shapes.  
Can you show two different patterns?



6. Can you use some shapes (or other objects) to make something that isn't a pattern?

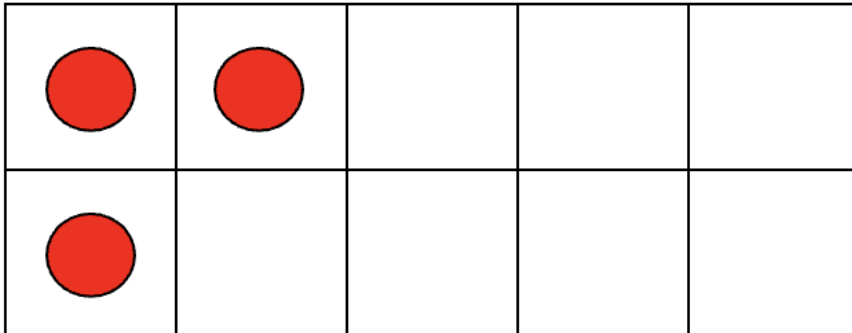
7. Find 10 rocks outside (or use any random objects from counting collections or story workshop, or other loose parts).

Can you sort them into two piles and tell me what rule you used to sort them?

1. Look at the image below.

How many circles are there?

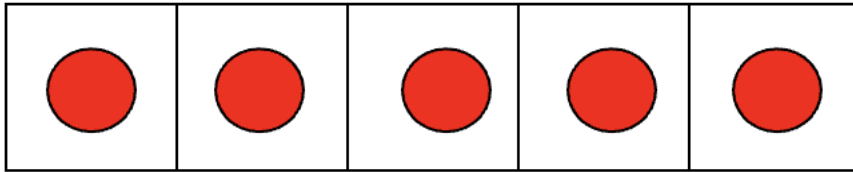
What would you need to do to change it to 5?



2. Look at the image below.

How many circles are there?

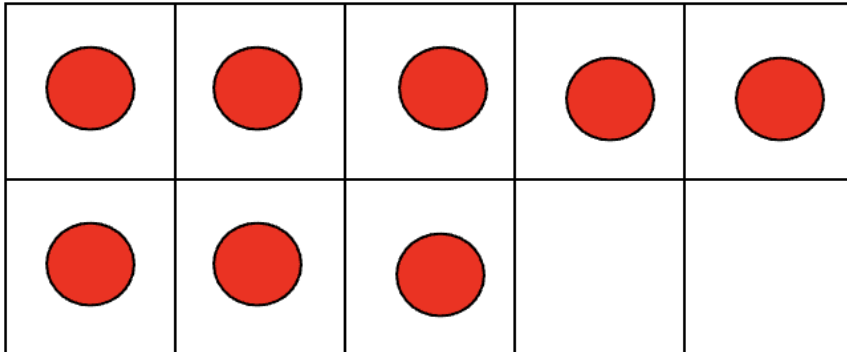
What would you need to do to change it to 3?



3. Look at the image below.

How many circles are there?

What would you need to do to change it to 6?



4. Count out 2 blocks (or linking cubes, or other objects).

How many more blocks (or linking cubes or other objects) do you need to get to 4?

5. Count out 4 blocks (or linking cubes, or other objects).

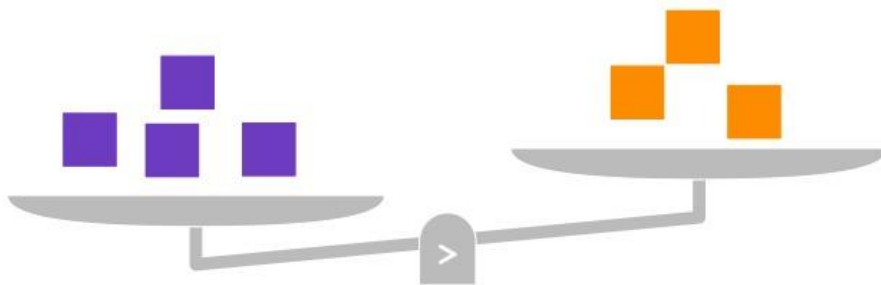
How many more blocks (or linking cubes or other objects) do you need to get to 6?



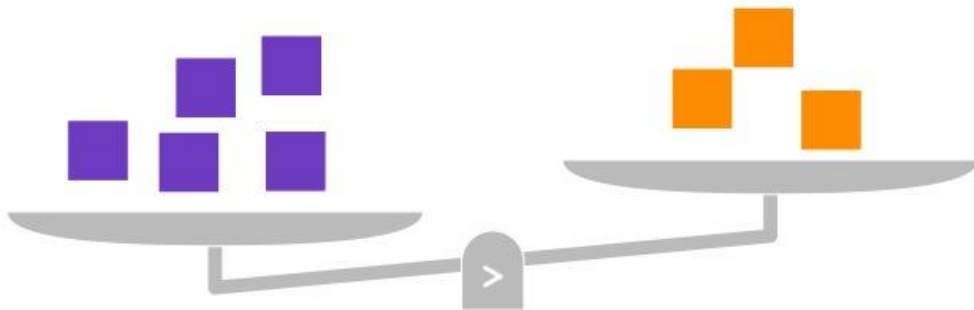
6. Count out 9 blocks (or linking cubes, or other objects).

How many more blocks (or linking cubes or other objects) do you need to get to 7?

7. This scale is unbalanced - the sides are not equal. What could you add to the orange side to make it balanced:

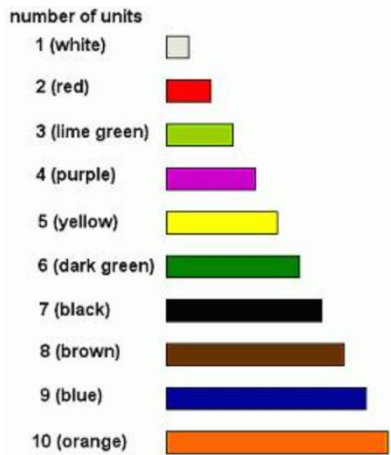


8. This scale is unbalanced - the sides are not equal. What could you take away from a side to make it balanced:



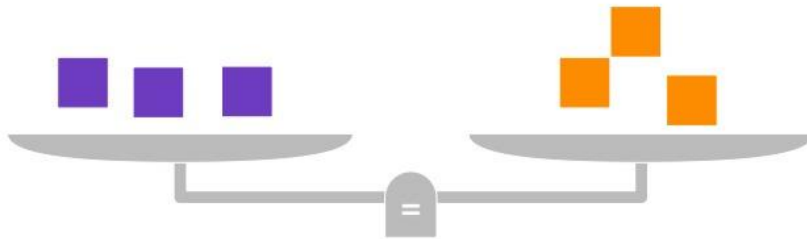
9. Use the Cuisenaire rods to show how you can make 4 (6, or any number).

Can you do it more than 1 way?



10. Count out 5 bears (or other counters, or objects).  
What would you do if you wanted more bears?  
How many would you have? (What would if you wanted  
less bears? How many would you have?)

11. This scale is balanced - there is an equal number on each side.



a) How could you make the purple side more?

b) How could you make the orange side less?