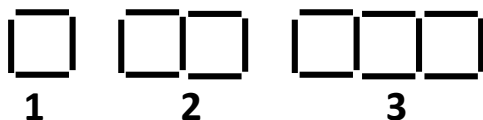


PATTERNS AND RELATIONSHIPS – SET 3

A Create and continue a pattern and identify the unit of repeat

Spatial Pattern



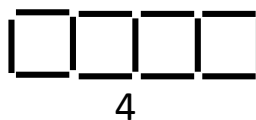
The first pattern uses 4 match sticks, the second uses 3 more matchstick, the third uses 3 more matchsticks.

$$4 + 3 + 3$$



B Continue and describe a pattern

What would the next pattern look like?

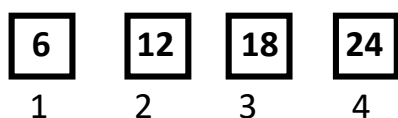


How many sticks in the pattern.

$$= 4 + 3 + 3 + 3$$

$$= 13$$

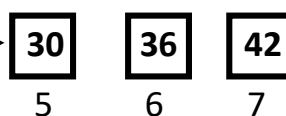
Number Pattern



The patterns are counting in 6s or + 6 more.



What are the next 3 numbers in this pattern?



Describe.

$$24 + 6 = 30$$

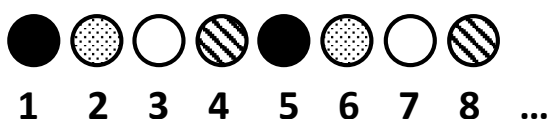
$$30 + 6 = 36$$

$$36 + 6 = 42$$

All of the patterns end with 6, 2, 8, 4, 0

C Continue the pattern to work out the ordinal position.

Up to 4 elements of repeat



There are four patterns that repeat.



What would the 15th element look like?



Pattern ends 4, 8, 12

$$12 + 3 = 15$$

3rd unit in the pattern =

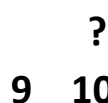
2 variable pattern



The shapes have 3 units of repeat
And the pattern has 2 units of repeat.



What would the 10th element look like?



Shape pattern ends 3, 6, 9

$$9 + 1 = 10$$

1st unit of pattern = circle.

Shading pattern ends 2, 4, 6, 8, 10

Last shade in the pattern = black