Maths

Independent Task
To develop strategies to plan and solve problems

Mr Critchlow

OAK
NATIONAL
ACADEMY

To start

How could partitioning help?

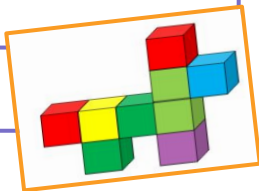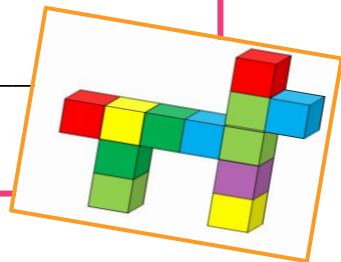| Calculation	Answer	Calculation	Answer
734 x 60 =		342 x 80 =	
143 x 70 =		425 x 90 =	

Moving on

Can you work out how many blocks would be needed to make the first 6 dogs in the sequence?

Dog number	Total Cubes
1	9
2	12
3	
4	
5	
6	

What is the rule of this sequence? What happens to the total cubes value each time? Explain in a sentence:

_____

_____

_____

_____

Main task

Can you work out how many blocks would be needed to make the next 8 dogs in the sequence? Also include the body sections!

Dog number	Body	Legs	Tail	Ears	Nose	Head	Total
6	8	12	1	1	1	1	24
7							
8							
9							
10							
11							
12							

Challenge

Dog number	Body	Legs	Tail	Ears	Nose	Head	Total
6	8	12	1	1	1	1	24
7	9	14	1	1	1	1	27

Remember:

**To work out the body we use the formula:
DOG NUMBER + 2**

**To work out the legs we use the formula:
DOG NUMBER x 2**