

Patterns, place value and rounding – Checkpoint Primary Math

1.

Mike makes a pattern with squares.
Here are the first three diagrams in his pattern.



Diagram 1

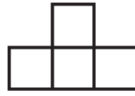


Diagram 2

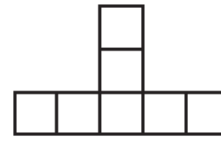
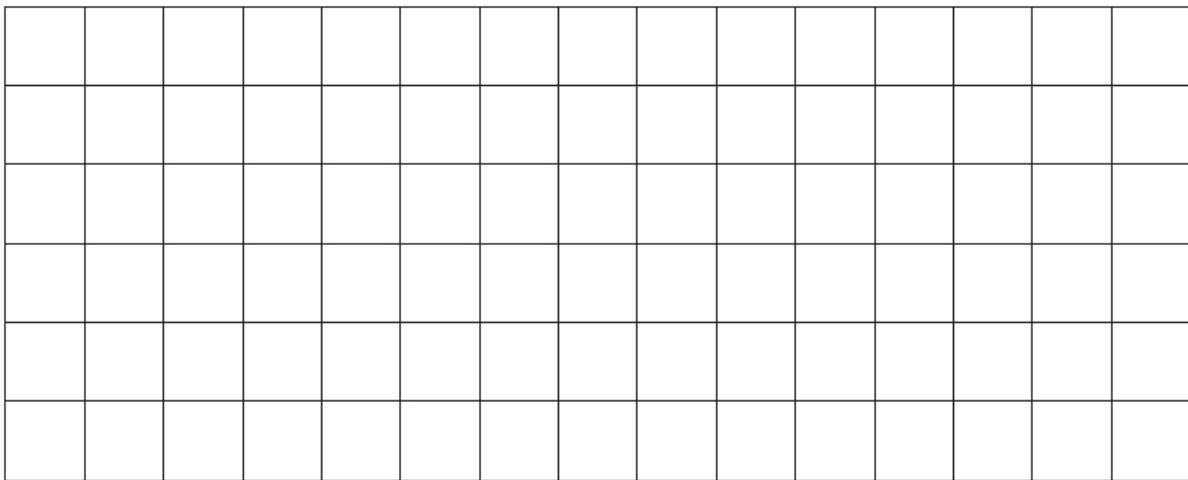


Diagram 3

(a) Use the grid of squares to draw the next diagram in his pattern.



[1]

(b) Write the number of squares Mike needs for the 7th diagram in his pattern.

..... squares [1]

2.

Write the next two numbers in this sequence.

47

44

41

38

.....

.....

[1]

3.

Mike chooses some numbers.
He rounds them to the nearest 10
The answer is always 260

Write the largest number that Mike could choose.

..... [1]

4.

Here is a number sequence.

17, 22, 27, 32, 37, ...

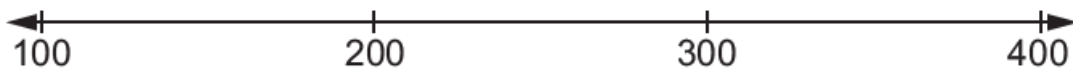
The sequence continues in the same way.

Write **all** the numbers between 50 and 70 that are in the sequence.

..... [1]

5.

Draw an arrow (↓) on the number line to estimate the position of 260



[1]