

10.06.20

LI: I am learning to find the rules in sequences.

1) Write the rule for these sequences and the next three numbers in the sequence.

a) 2, 5, 8, 11

b) 5, 9, 13, 17

c) 1, 6, 11, 16

d) 7, 13, 19, 25

2) Here is part of a number sequence.

The numbers in the sequence increase by 25 each time.

50 75 100 125 ...

Circle all of the numbers below that will appear in the sequence.

255 650 735 900 995

3) The numbers in this sequence increase by 14 each time.

Write the missing numbers.

? 82 96 ? 124 138 ?

4) The rule for this sequence of numbers is 'add 3 each time'.

1 4 7 10 13 16 ...

The sequence continues in the same way.

Mary says,

'No matter how far you go there will never be a multiple of 3 in the sequence'.

Is she correct? Explain why?

The numbers in this sequence increase by 3 each time.

3      6      9      12    ...

The numbers in this sequence increase by 5 each time.

5      10      15      20    ...

Both sequences continue.

Write a number greater than 100 which will be in both sequences.