

Can I extend number sequences using a rule?

Answer all questions neatly in your maths book

Copy the sequence and fill in the missing numbers

Write down the rule for the sequence

e.g. "the rule for this sequence is add 0.2"

1.	5	9	13	...	21	...
2.	2.1	2.3	2.5	...	...	...
3.	...	7.9	8.2	8.5	...	...
4.	6.66	6.68	6.70	...	...	...
5.	...	7.23	7.26	...	...	...

Put these numbers in order.

Write down the rule for the sequence

6.	10	20	15	5	25
7.	7.1	7.5	7.3	7.2	7.4
8.	1.3	2.5	1.6	1.9	2.2
9.	17.11	17.47	17.23	17.35	17.59
10.	6.04	6.2	6.08	6.16	6.12

Write a sequence of 6 numbers according to the rule and the start-point

11. The rule is add 0.3 and the start-point is 2.4
12. The rule is add 0.5 and the start-point is 8.9
13. The rule is add 0.02 and the start-point is 8.84
14. The rule is add 0.11 and the start-point is 1.32
15. The rule is add 0.3 and the start-point is 15.25

Extension:

Create some sequences and ask a friend to tell you the rule for each sequence