Mathematics

Reasoning with pattern and sequences: Number sequence.

Independent Task

Mr Critchlow

To Start

Times table speed challenge

	4	8	3	2	5	6	9	10	7
4									
7									
8									
10									
11									
9									
6									
12									
5									

Moving on

Can you remember the Roman Numerals for these numbers?

Arabic Numeral	Roman Numeral	Arabic Numeral	Roman Numeral
100		25	
54		36	
48		13	

I	II	III	IV	V	VI	VII	VIII	IX	X
XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
XXI	XXII	XXIII	XXIV	XXV	XXVI	XXVII	XXVIII	XXIX	XXX
XXXI	XXXII	XXXIII	XXXIV	XXXV	XXXVI	XXXVII	XXXVIII	XXXIX	XL
XLI	XLII	XLIII	XLIV	XLV	XLVI	XLVII	XLVIII	XLIX	L
LI	LII	LIII	LIV	LV	LVI	LVII	LVIII	LIX	LX
LXI	LXII	LXIII	LXIV	LXV	LXVI	LXVII	LXVIII	LXIX	LXX
LXXI	LXXII	LXXIII	LXXIV	LXXV	LXXVI	LXXVII	LXXVIII	LXXIX	LXXX
LXXXI	LXXXII	LXXXIII	LXXXIV	LXXXV	LXXXVI	LXXXVII	LXXXVIII	LXXXVIX	XC
XCI	XCII	XCIII	XCIV	XCV	XCVI	XCVII	XCVIII	XCIX	C

Main Task

Can you work out the rule for each of these sequences and fill in the missing terms?

a) 86, 92, 98, _____, _____,

b) 7.7, 7.5, 7.3, _____, _____,

c) -2, -4 ___, -8, ___

d) _____, 3002, 2502, 2002, _____

e) 0.9, _____, _____, 0.3, 0.1

f) -6, _____, -2, 0, _____, _____,

g) 374, 365, ___, ___, 338

h) 3, 1, ___, ___, -5

i) ___,___, 18, ___, 24

Main Task

You can see different coloured numbers. They form 5 different sequences. Can you arrange them into increasing sequences?

36	– 6	5.2	69	76
3	5.4	12	62	– 8
6	41	46	– 2	5.6
15	5	0	48	66
56	55	4.8	– 4	9