



Super Sequences

I can find the term to term rule to extend a sequence of numbers.



Find the rule and give the next three terms for each of these sequences:

320, 400, 480, 560, 640, 720, 800, _____, _____, _____

$\xrightarrow{+}$ $\xrightarrow{+}$ $\xrightarrow{+}$ $\xrightarrow{+}$ $\xrightarrow{+}$ $\xrightarrow{+}$ $\xrightarrow{+}$ $\xrightarrow{+}$ $\xrightarrow{+}$ $\xrightarrow{+}$

5650, 5550, 5450, 5350, 5250, 5150, _____, _____, _____

$\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$

1365, 1354, 1343, 1332, 1321, 1310, _____, _____, _____

$\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$ $\xrightarrow{-}$

Find the rule and add the missing terms in these sequences. Draw arrows to help you:

4560, 4360, _____, 3960, 3760, _____


32.1, 32.2, 32.3, _____, 32.5, _____

25 540, 25 790, 26 040, _____, _____, 26 790



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Find the rule and give the next three terms for each of these sequences:

7664, 7904, 8144, 8384, 8624, 8864, _____, _____, _____

Rule:

546 119, 496 119, 446 119, 396 119, 346 119, 296 119, _____, _____, _____

Rule:

345.5, 345.8, 346.1, 346.4, 346.7, 347, _____, _____, _____

Rule:

79 101, 78 801, 78 501, 78 201, 77 901, 77 601, _____, _____, _____

Rule:

Add the missing terms in these sequences:

456 100, 456 950, _____, 458 650, 459 500, _____

Rule:

19.32, _____, 18.32, 17.82, 17.32, _____

Rule:

12 400, 12 750, _____, _____, 13 800, 14 150

Rule:

567, _____, 4367, _____, 8167, 10 067

Rule:

Super Sequences

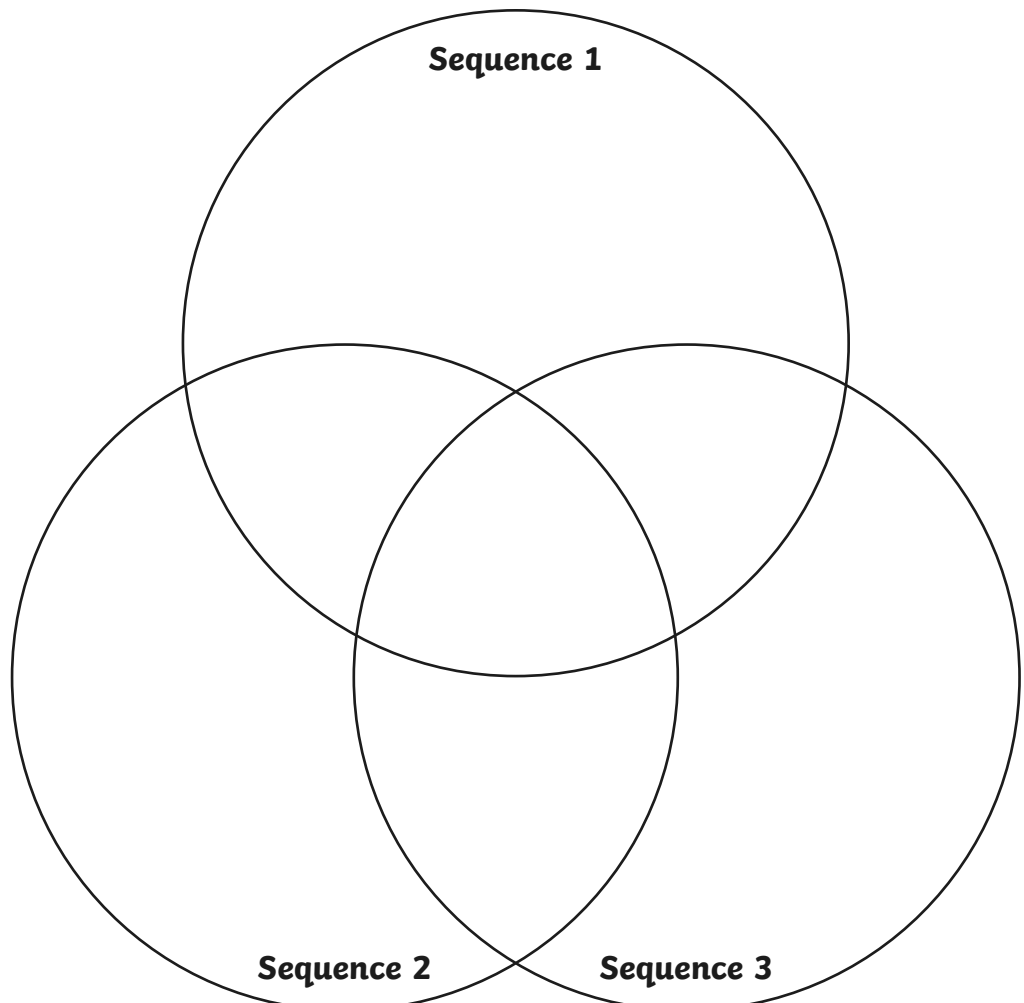
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Find the missing terms from these three sequences. Write the terms of each sequence in the correct place in the Venn diagram.

Sequence 1: 457.75, _____, 459.25, _____, 460.75, _____	Rule:
Sequence 2: 120, _____, _____, 1140, _____, 1820	Rule:
Sequence 3: _____, 38 720, _____, 19 590, 10 025, _____	Rule:

These numbers show terms that would appear in the above sequences if you continued to extend them. Place them in the correct place in the Venn diagram. Be careful: some of the numbers are not found in any of the sequences!

412.5	463
2160	360
-10 823	69 310
2840	-9105
57 850	466



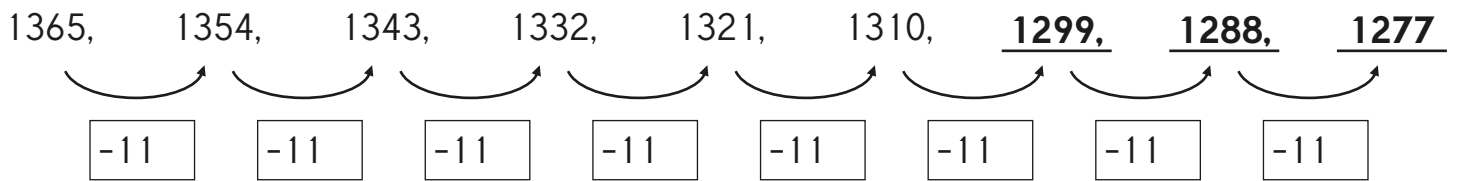
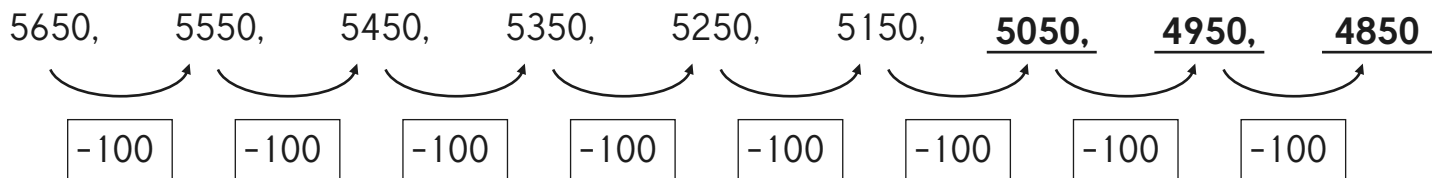
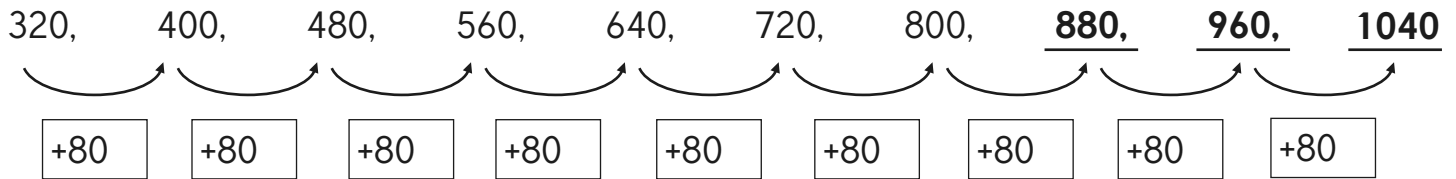


Super Sequences - Answers

I can find the term to term rule to extend a sequence of numbers.



Find the rule and give the next three terms for each of these sequences:



Find the rule and add the missing terms in these sequences. Draw arrows to help you:





Super Sequences - Answers

I can find the term to term rule to extend a sequence of numbers.



Find the rule and give the next three terms for each of these sequences:

7664, 7904, 8144, 8384, 8624, 8864, 9104, 9344, 9584

Rule: **+240**

546 119, 496 119, 446 119, 396 119, 346 119, 296 119, 246 119, 196 119, 146 119

Rule: **-50 000**

345.5, 345.8, 346.1, 346.4, 346.7, 347, 347.3, 347.6, 347.9

Rule: **+0.3**

79 101, 78 801, 78 501, 78 201, 77 901, 77 601, 77 301, 77 001, 76 701

Rule: **-300**

Add the missing terms in these sequences:

456 100, 456 950, 457 800, 458 650, 459 500, 460 350

Rule: **+850**

19.32, 18.82, 18.32, 17.82, 17.32, 16.82

Rule: **-0.5**

12 400, 12 750, 13 100, 13 450, 13 800, 14 150

Rule: **+350**

567, 2467, 4367, 6267, 8167, 10 067

Rule: **+1900**



Super Sequences - Answers

I can find the term to term rule to extend a sequence of numbers.



Find the missing terms from these three sequences. Write the terms of each sequence in the correct place in the Venn diagram.

Sequence 1: 457.75, <u>458.5</u> , 459.25, <u>460</u> , 460.75, <u>461.5</u>	Rule: +0.75
Sequence 2: 120, <u>460</u> , <u>800</u> , 1140, <u>1480</u> , 1820	Rule: +340
Sequence 3: <u>48 285</u> , 38 720, <u>29 155</u> , 19 590, 10 025, <u>460</u>	Rule: -9565

These numbers show terms that would appear in the above sequences if you continued to extend them. Place them in the correct place in the Venn diagram. Be careful: some of the numbers are not found in any of the sequences!

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