

Number patterns



1. Complete the number sequences.

2	4	6	_____	_____	_____	_____	_____	_____
5	10	15	_____	_____	_____	_____	_____	_____
10	20	30	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	24	27	_____
_____	12	_____	24	30	_____	_____	_____	_____
_____	_____	27	36	_____	_____	63	_____	_____
_____	12	_____	_____	_____	60	72	84	_____
_____	_____	_____	28	35	42	_____	_____	_____
_____	140	_____	_____	350	420	_____	_____	_____
_____	_____	240	320	400	_____	_____	_____	_____

2. Make up an incomplete sequence of your own for a friend to try.



I can complete a pattern which goes up or down in equal steps

Algebraic thinking: Experiencing



Sequences

Write the next four numbers in each sequence.



1.

325	350	375				
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2.

85	80	75				
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3.

72	67	62				
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4.

35	50	65				
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5.

33	44	55				
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6.

22	29	36				
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7.

62	56	50				
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8.

$7\frac{1}{2}$	9	$10\frac{1}{2}$				
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9.

8	$7\frac{3}{4}$	$7\frac{1}{2}$				
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10.

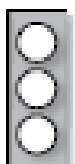
$8\frac{2}{3}$	$9\frac{1}{3}$	10				
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11.

$12\frac{1}{10}$	$11\frac{7}{10}$	$11\frac{3}{10}$				
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12. On the back of your sheet make up two sequences of your own for a friend to continue. Each sequence must have four steps for your friend to complete. Then check their work.



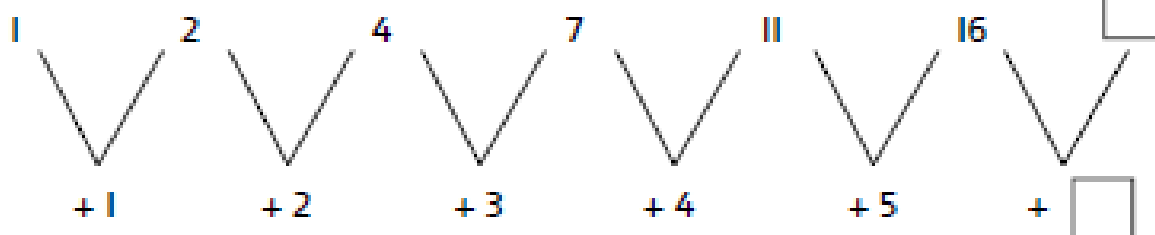
I can continue a sequence that goes up or down in equal steps



What's the rule?

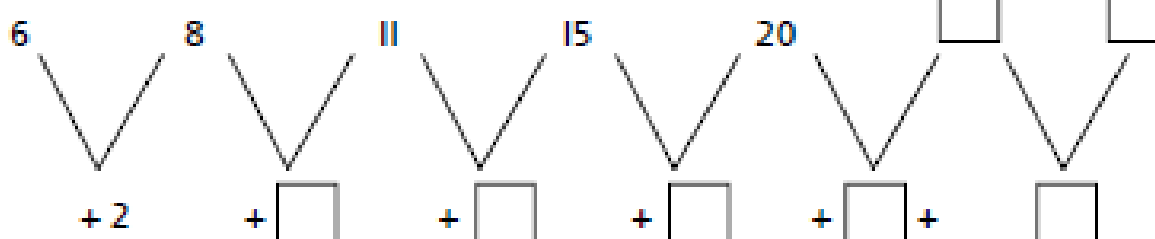


1. Continue the pattern. What is the rule?



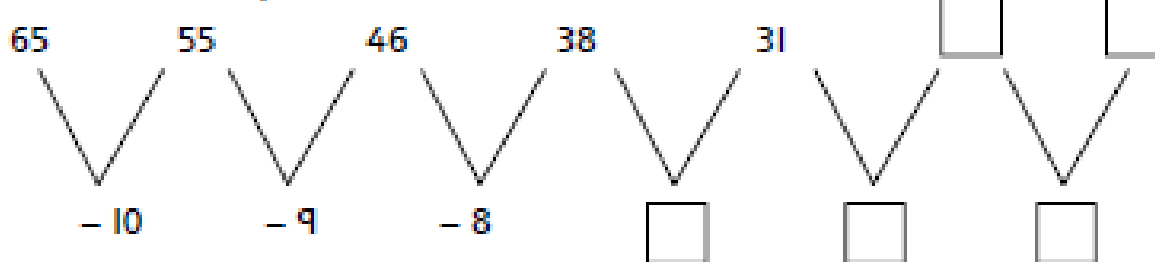
Rule:

2. Continue the pattern. What is the rule this time?



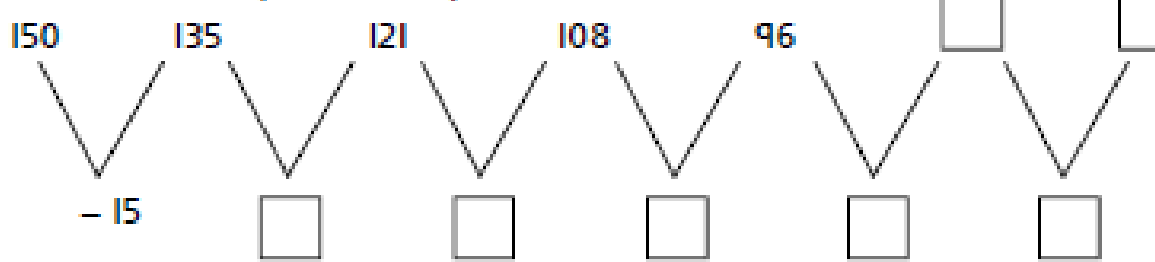
Rule:

3. Continue the pattern. What is the rule?



Rule:

4. Continue the pattern. Can you work out this rule?



Rule:

5. Make up a pattern like one of these. Ask a friend to continue it.



I can make a pattern which goes up in unequal steps

Algebraic thinking: Experiencing

