

Number Sequences

Advanced — ANSWER KEY

Multiplying and growing patterns.

Think: If the jumps get bigger fast, try multiplying — or adding the two before it.

1. Find the pattern. Fill the missing numbers and write the rule.

1)

3	2	5	7	12	19
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Rule: add the two numbers before it

2)

4	12	36	108	324	972
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Rule: $\times 3$ each time

3)

2	5	7	12	19	31
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Rule: add the two numbers before it

4)

5	6	11	17	28	45
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Rule: add the two numbers before it

5)

3	7	10	17	27	44
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Rule: add the two numbers before it

6)

2	6	18	54	162	486
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Rule: $\times 3$ each time

7)

5	4	9	13	22	35
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Rule: add the two numbers before it

8)

5	5	10	15	25	40
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Rule: add the two numbers before it