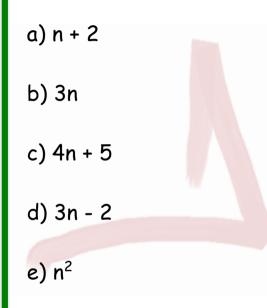
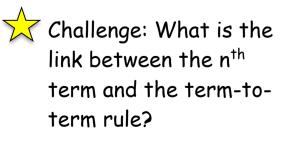
1 Write down the first five terms of the sequence which has the nth term:



f) $n^2 + 5$







2. Find the next two terms and the nth term for each of the following sequences.

a) 2, 4, 6, 8, 10,

- 3, 6, 9, 12, 15, ____ b)
- 5, 8, 11, 14, 17, ____ c)
- d) 1, 3, 5, 7, 9, _____
- e) 5, 9, 13, 17, 21, _____

f) 8, 13, 18, 23, 28, _____

🨾 Challenge: Can you write a short message to another student explaining how to solve these questions?



3. Find the nth term of the following linear sequences, these include fractions and negative amounts.

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12, 10, 8, 6, 4 a)

- **b)** 3.5, 4, 4.5, 5, 5.5
- c) 0.2, 0.4, 0.6, 0.8, 1.0
- d) 15, 12, 9, 6, 3
- e) 0, -4, -8, -12, -16

f) 99, 98, 97, 96, 95



🔀 Challenge: Can you find the nth term of the odd number sequence?

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1 Write down the first five terms of the sequence which has the nth term:

a) 3, 5, 7, 9, 11 b) 3, 6, 9, 12, 15

c) 9, 13, 17, 21, 25

- d) 1, 4, 7, 10, 13
- e) 1, 4, 9, 16, 25

f) 6, 9, 14, 21, 30

🔀 Challenge: What is the link between the nth term and the term-toterm rule?



2. Find the next two terms and the nth term for each of the following sequences.

2na)

b) **3***n* 3n + 2

2n - 1

e) 4n+1

5n + 3**f**)



d)

🔀 Challenge: Can you write a short message to another student explaining how to solve these questions?





3. Find the nth term of the following linear sequences, these include fractions and negative amounts.

a) -2n+14

b) 0.5n+3

0.2*n*

e) -4n + 4

f) -n + 100

🔀 Challenge: Can you find

number sequence?

the nth term of the odd

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-3n + 18

d)