



## GOT IT!

1. Write down the first five terms of the sequence which has the  $n^{\text{th}}$  term:

a)  $n + 2$

b)  $3n$

c)  $4n + 5$

d)  $3n - 2$

e)  $n^2$

f)  $n^2 + 5$

★ Challenge: What is the link between the  $n^{\text{th}}$  term and the term-to-term rule?



## SMASHED IT!

2. Find the next two terms and the  $n^{\text{th}}$  term for each of the following sequences.

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

b) 3, 6, 9, 12, 15, \_\_\_\_\_

c) 5, 8, 11, 14, 17, \_\_\_\_\_

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?



## MASTERED IT!

3. Find the  $n^{\text{th}}$  term of the following linear sequences, these include fractions and negative amounts.

a) 12, 10, 8, 6, 4

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  $n^{\text{th}}$  term of the odd number sequence?



## GOT IT!

1. Write down the first five terms of the sequence which has the  $n^{\text{th}}$  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  $n^{\text{th}}$  term and the term-to-term rule?



## SMASHED IT!

2. Find the next two terms and the  $n^{\text{th}}$  term for each of the following sequences.

a)  $2n$

b)  $3n$

c)  $3n + 2$

d)  $2n - 1$

e)  $4n + 1$

f)  $5n + 3$

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



## MASTERED IT!

3. Find the  $n^{\text{th}}$  term of the following linear sequences, these include fractions and negative amounts.

a)  $-2n + 14$

b)  $0.5n + 3$

c)  $0.2n$

d)  $-3n + 18$

e)  $-4n + 4$

f)  $-n + 100$

★ Challenge: Can you find the  $n^{\text{th}}$  term of the odd number sequence?