Literacy / Cymraeg

Stretch !

Skill Practice

Memory

Research

● Some numbers are square numbers and triangle numbers.

What is:

1. The first one
2. The second one

● What type of number is the sum of two consecutive triangle numbers? Can you give some examples?

● Can you find the nth term of:

 3, 6, 11, 18 … ? (Hint: it might help to draw the patterns…)

● Find a) the nth term and b) the 30th term for these sequences:

1. 3, 8, 13, 18 …
2. 28, 26, 24, 22 …
3. -7, -6, -5, -4 …
4. -24, -28, -32, -36 …
5. 1.5, 3, 3.5, 4 …

● Solve the following equations:

1) 4x + 10 = 3x + 27

2) 8x – 15 = 3x + 40

3) 9x + 14 = 5x + 46

4) 10x + 7 = 4x – 11

5) 7x + 12 = 4x – 36

● If a = 3, b = 7 and c = 10 work out:

1) 2c² 2) (abc)³ 3) 5ac - b² 4) (ab)²/c³ 5) (c-b)² x a³

Learn the formula for converting between Celsius and Fahrenheit:

What can you find out about the Fibonacci sequence?

Find out how to convert from Celsius to Kelvin. What is absolute zero?

Number pattern – patrwn rhif

Rule – rheol, Sequence – *dilyniant*

Term – term, Inverse – *gwrthdro*

Substitution – *amnewid* Power *- pwer*