

**24th July**

Corbettmaths

The  $n$ th term of a sequence is  $(n + 1)(n + 3)$

Work out the first three terms of the sequence.

A sphere has radius 4cm.  
Calculate the volume of the sphere.  
Give your answer to 1 decimal place.

There are 30 students in class 1.  
There are 18 students in class 2.

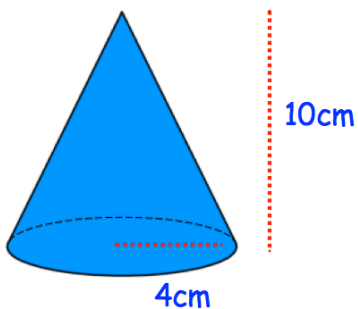
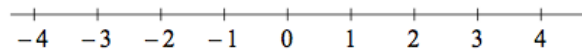
Both classes sit the same test.

The mean mark in class 1 is 80%.  
The mean mark in class 2 is 62%

Work out the overall mean for both classes.

Solve  $4x - 1 < 9 - x$

Represent the answer on the number line



Calculate the volume of the cone.