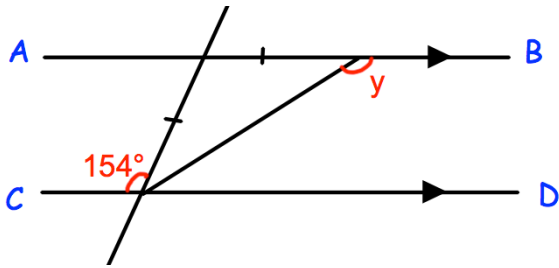


14th November



Corbettmaths



AB is parallel to CD.
Work out the size of angle y .

Here are the n th terms of 4 sequences.

Sequence 1	n th term	$4n + 3$
Sequence 2	n th term	$7n + 1$
Sequence 3	n th term	$14n$
Sequence 4	n th term	$8n - 1$

Sequence 1

Sequence 2

Sequence 3

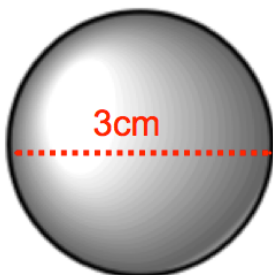
Sequence 4

For each sequence state whether the numbers in the sequence are

- A Always multiples of 7
- S Sometimes multiples of 7
- N Never multiples of 7

7.5 has been rounded to one decimal place.

Write down an inequality to show the range of possible actual values.



Calculate the volume of the sphere.
Give your answer to 1 decimal place.