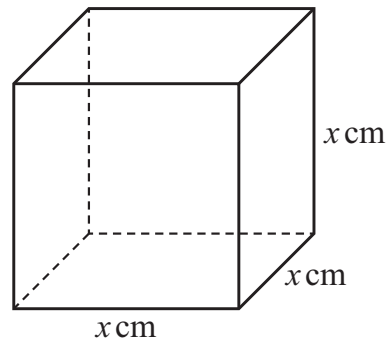
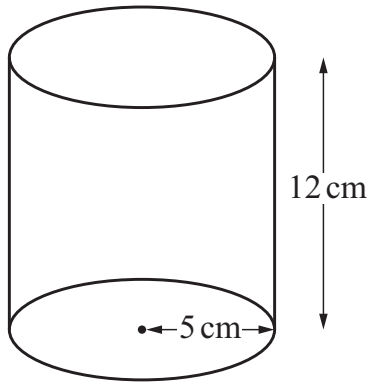


19 The diagram shows a cylinder and a cube.



NOT TO SCALE

The cylinder has the same volume as the cube.

Find the value of x .

$x = \dots\dots\dots$ [3]

20 A town has two cinemas, Movie Scene and Flix.
The table shows the mean and range of the audience numbers.

	Mean	Range
Movie Scene	83	52
Flix	105	25

(a) Which cinema has higher audience numbers on average?
Give a reason for your choice.

Cinema because
..... [1]

(b) Which cinema has greater variation in its audience numbers?
Give a reason for your choice.

Cinema because
..... [1]