8

8 cm

10 cm
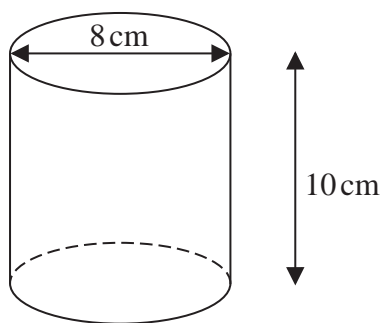
Diagram **NOT** accurately drawn

The diagram shows a right circular solid cylinder of diameter 8 cm and height 10 cm.

Calculate, to the nearest cm^3, the volume of the cylinder.

.... cm^3

(Total for Question 8 is 2 marks)

9 1 second = 10^6 microseconds.

Change 4.5×10^{14} microseconds into hours.
Give your answer in standard form.

.... hours

(Total for Question 9 is 2 marks)