



Exercise 9E

Question 3:

The following table gives height in metre of 360 trees:

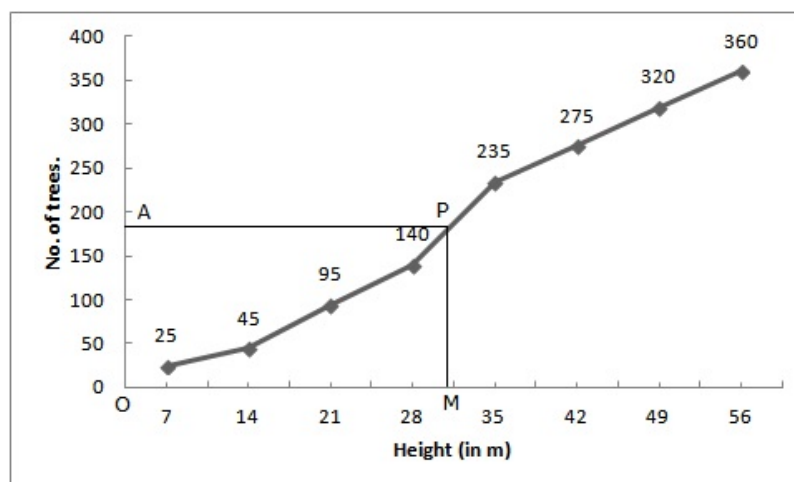
Height in m	Number of trees
Less than 7	25
Less than 14	45
Less than 21	95
Less than 28	140
Less than 35	235
Less than 42	275
Less than 49	320
Less than 56	360

The points (7, 25), (14, 45), (21, 95), (28, 140), (35, 235), (42, 275), (49, 320), (56, 360) are plotted and joined one by one as shown in the figure.

This is the required cumulative curve

$N = 360$, $N/2 = 180$

At $y = 180$, affix A.



Through A, draw a horizontal line meeting the curve at P.

Through P, a vertical line is drawn which meets OX at M.

$OM = 31$.

Hence median = 31

***** END *****

