



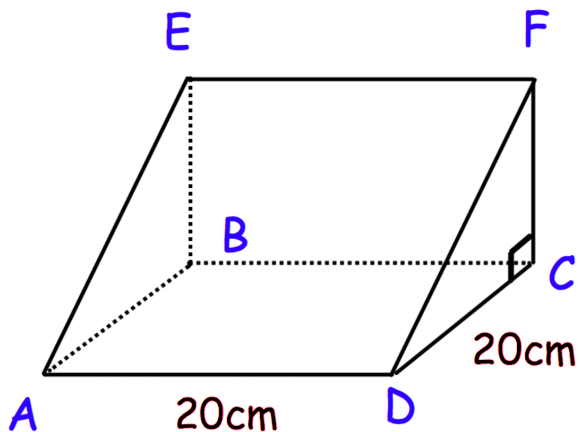
Find the n th term for the sequence

0 6 16 30 48

Height (x cm)	Frequency
$0 < x \leq 10$	3
$10 < x \leq 20$	7
$20 < x \leq 30$	12
$30 < x \leq 40$	31
$40 < x \leq 50$	27

The table shows the heights of some plants in a greenhouse

Work out the interquartile range



Angle $CDF = 40^\circ$

M is a point on EF such that
 $EM : MF = 3 : 2$

Calculate the distance AM

Calculate the size of the angle between AM and the base of the prism.