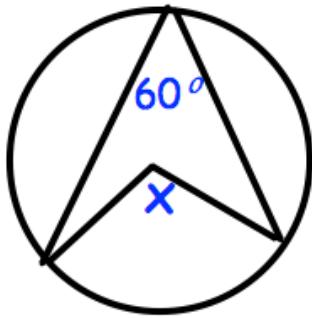


16th May



Corbettmaths



Calculate angle x

The points ABCD are in a straight line.

$$AB : BC : CD = 1 : 2 : 5$$

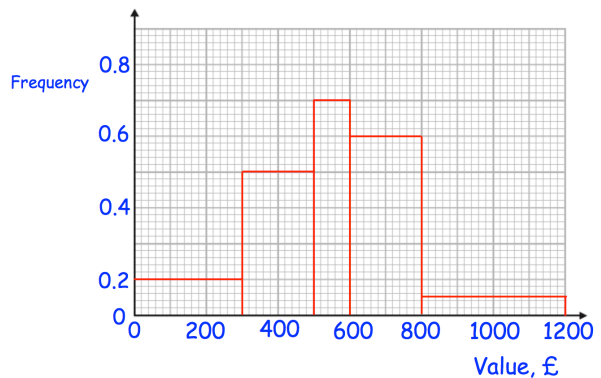
The point B is (2, 17.5) and D is (27, 5)

Find the coordinates of point A

Simplify

$$\frac{x^2 - 1}{x^2 + 4x + 3}$$

Christine has drawn a histogram to show the value of some antiques. She has made some mistakes.



Value, v pounds	Frequency
$0 \leq v < 300$	60
$300 \leq v < 500$	100
$500 \leq v < 600$	70
$600 \leq v < 800$	60
$800 \leq v < 1200$	40