

26th December



Corbettmaths

Solve $x^2 = 50 - 5x$

$$x^2 + 5x - 50 = 0$$

$$(x + 10)(x - 5) = 0$$

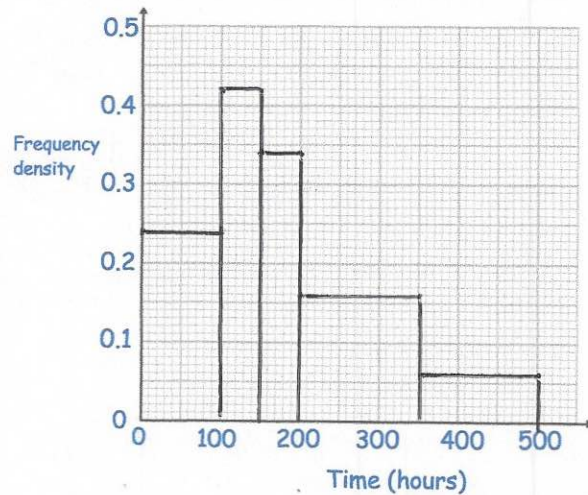
$$x = -10 \quad \text{or} \quad x = 5$$

Work out

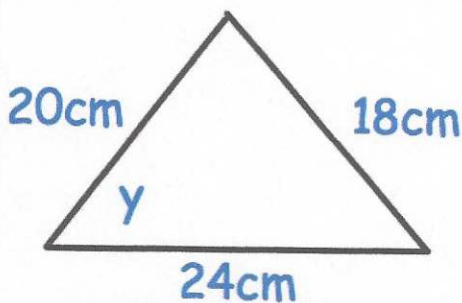
$$16^{0.5}$$

$$16^{\frac{1}{2}} = 4$$

Time (t hours)	Frequency	FD
$0 < t \leq 100$	24	0.24
$100 < t \leq 150$	21	0.42
$150 < t \leq 200$	17	0.34
$200 < t \leq 350$	24	0.16
$350 < t \leq 500$	9	0.06



Draw a histogram to show this information.

Find y .

$$\cos y = \frac{20^2 + 24^2 - 18^2}{2 \times 20 \times 24}$$

$$\cos y = \frac{163}{240} \quad y = 47.22^\circ$$