



A dice is rolled 4 times.

What is the probability of getting a number under 3, all 4 times?

$$P(1 \text{ or } 2) = \frac{1}{3}$$

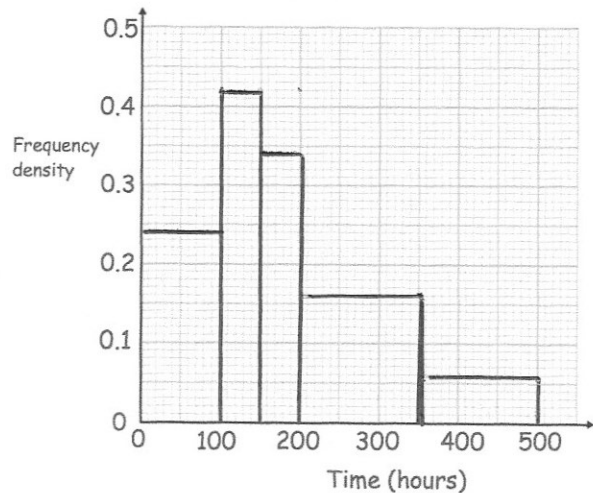
$$\begin{aligned} \frac{1}{3} \times \frac{1}{3} \times \frac{1}{3} \times \frac{1}{3} \\ = \frac{1}{81} \end{aligned}$$

Factorise $2x^2 + 5x + 2$

$$(2x + 1)(x + 2)$$

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.



In a football league, there are 8 teams. Each team plays each other team once.

Work out the total number of matches played.

$$7 + 6 + 5 + 4 + 3 + 2 + 1$$

$$28$$