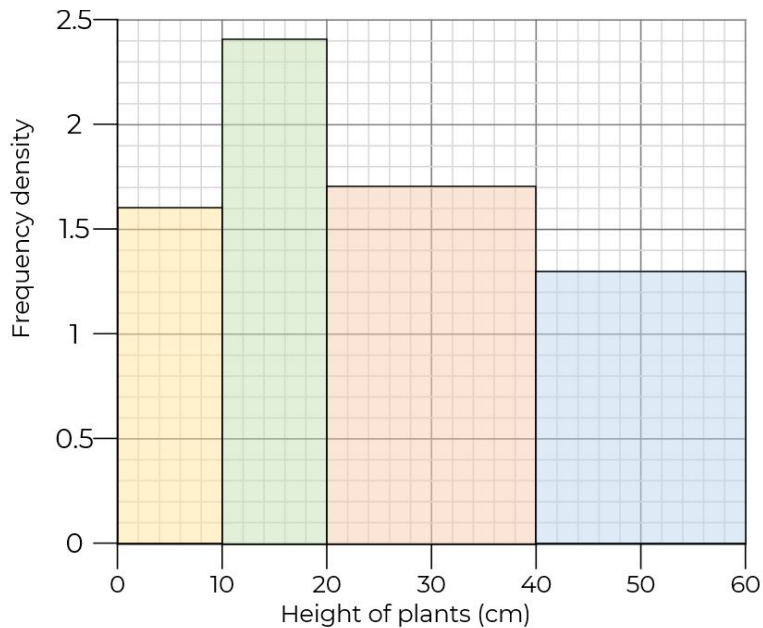Maths

Find probabilities from a histogram
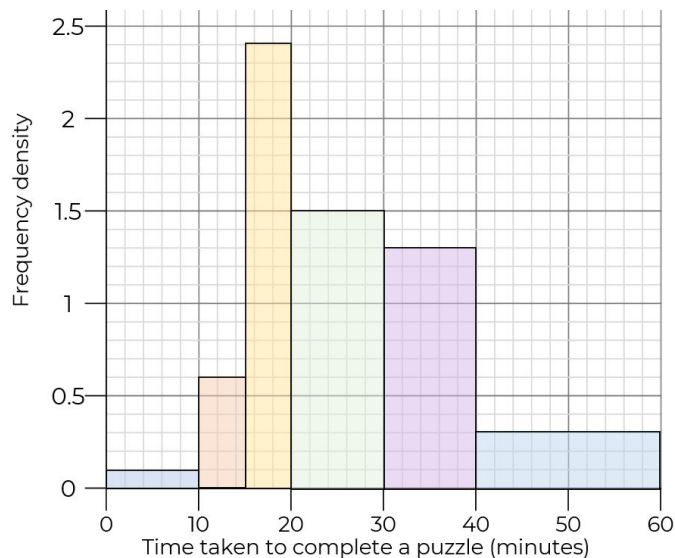
Miss Parnham

Find probabilities from a histogram

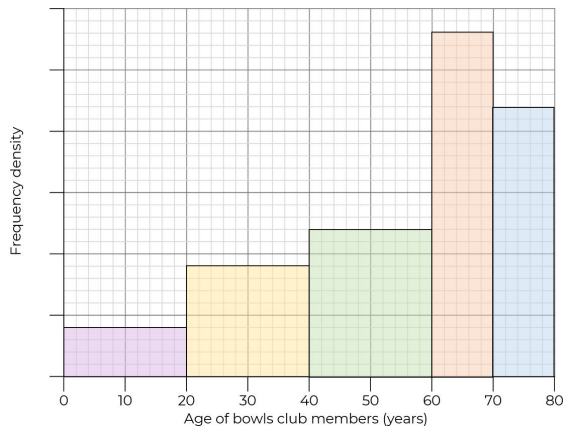1. A plant is chosen at random. Find the probability it is under 20 cm tall.

2. A person is chosen at random, what is the probability that they took more than half an hour to solve the puzzle?
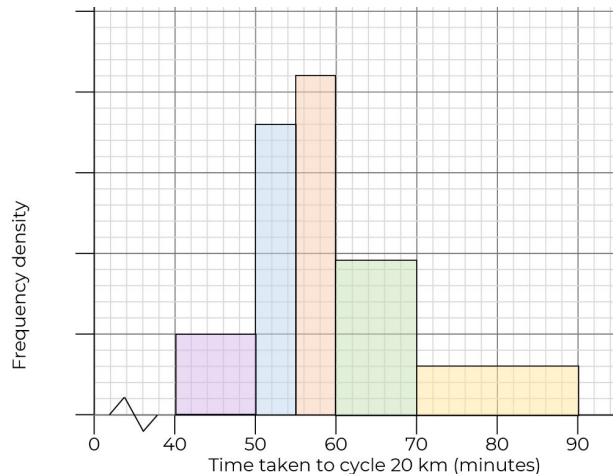
Find probabilities from a histogram

3. There are 28 members of the bowls club aged between 60 and 70

A person is chosen at random, what is the probability they are aged between 30 and 50?

4. 10 people completed the race in under 50 minutes. What is the probability a person took more than 65 minutes to cycle 20 km?
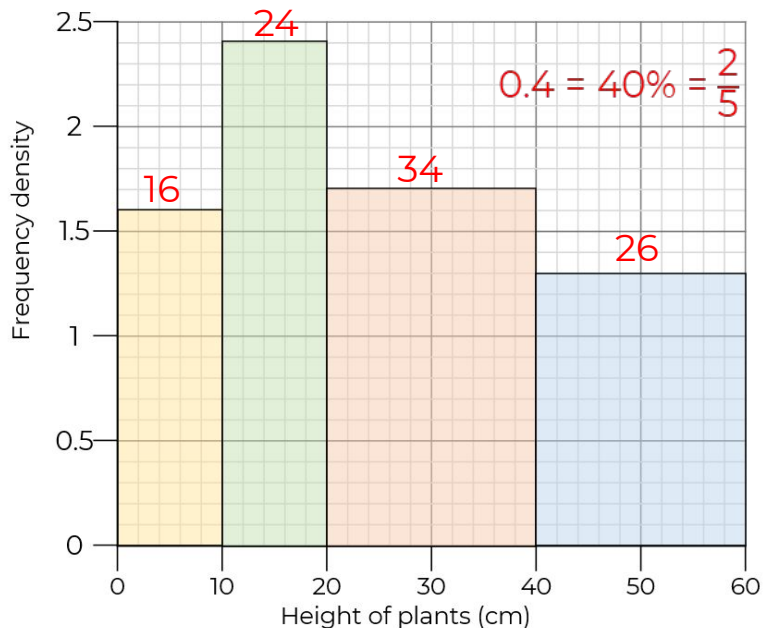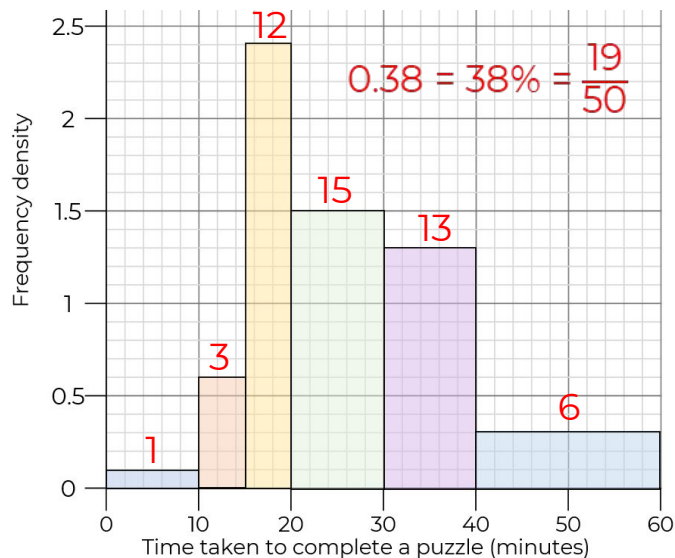
Answers

Find probabilities from a histogram

1. A plant is chosen at random. Find the probability it is under 20 cm tall.
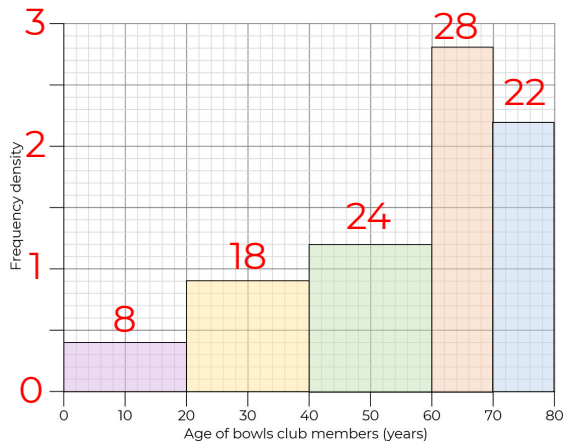

$0.4 = 40\% = \dfrac{2}{5}$

2. A person is chosen at random, what is the probability that they took more than half an hour to solve the puzzle?

$0.38 = 38\% = \dfrac{19}{50}$

Find probabilities from a histogram

3. There are 28 members of the bowls club aged between 60 and 70

A person is chosen at random, what is the probability they are aged between 30 and 50?

$0.21 = 21\% = \frac{21}{100}$

4. 10 people completed the race in under 50 minutes. What is the probability a person took more than 65 minutes to cycle 20 km?

$0.269 = 26.9\% = \frac{43}{160}$