

Maths

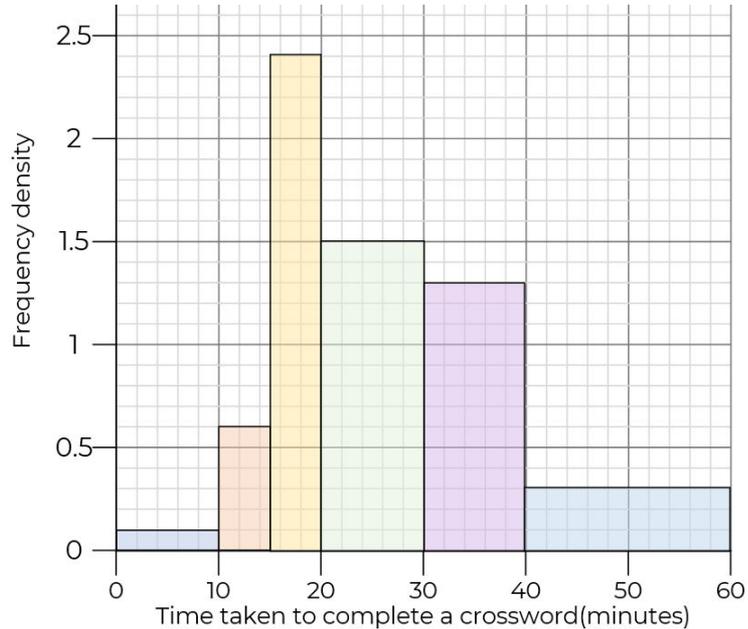
Find the median from a histogram

Miss Parnham



Find the median from a histogram

1. The histogram shows the time taken to complete a crossword.



a) Find the total frequency.

b) Which class interval contains the median?

c) Estimate the median time.

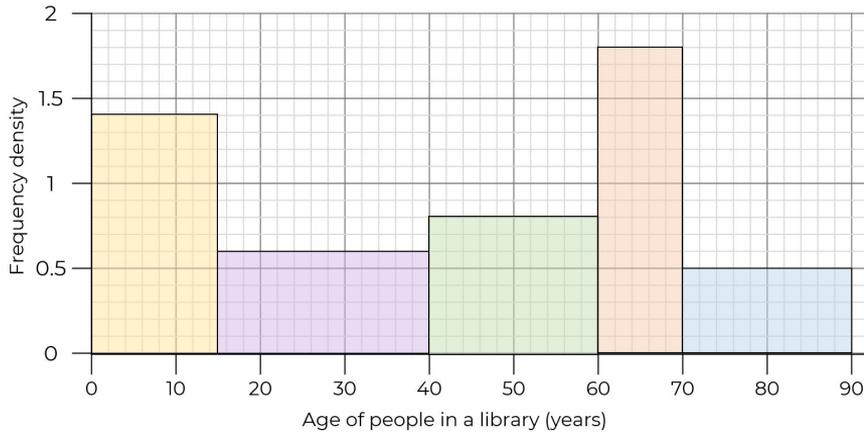


Find the median from a histogram

2. The histogram shows the age of people in a library.

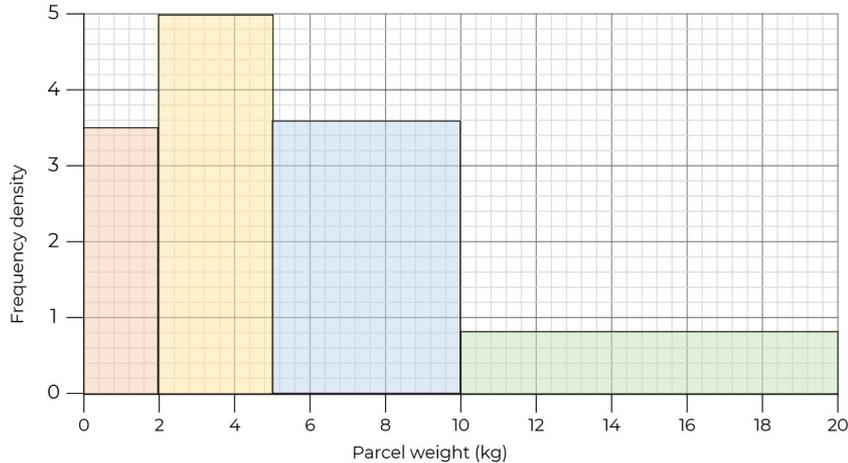
a) Estimate the median age of people in the library.

b) Estimate how many people in the library are over 50



Find the median from a histogram

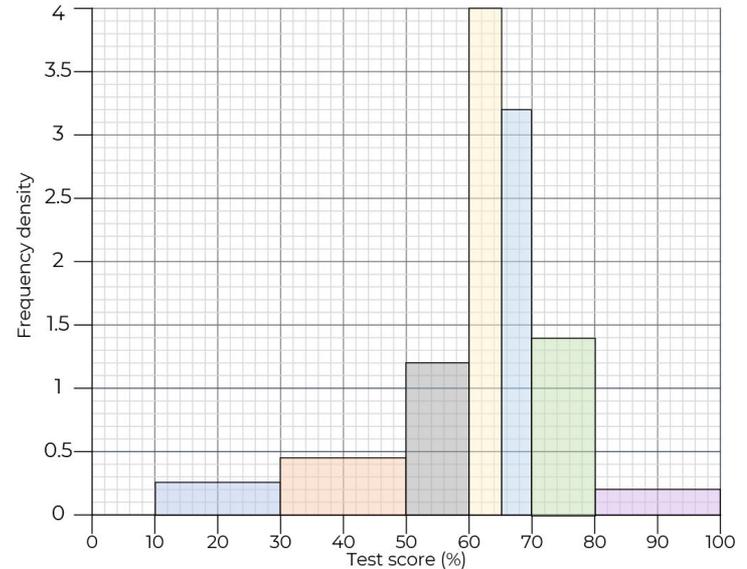
3. The histogram shows the weight of some parcels.



a) Estimate the median weight.

b) Find the lower quartile

4. Use the histogram to estimate the median and interquartile range.

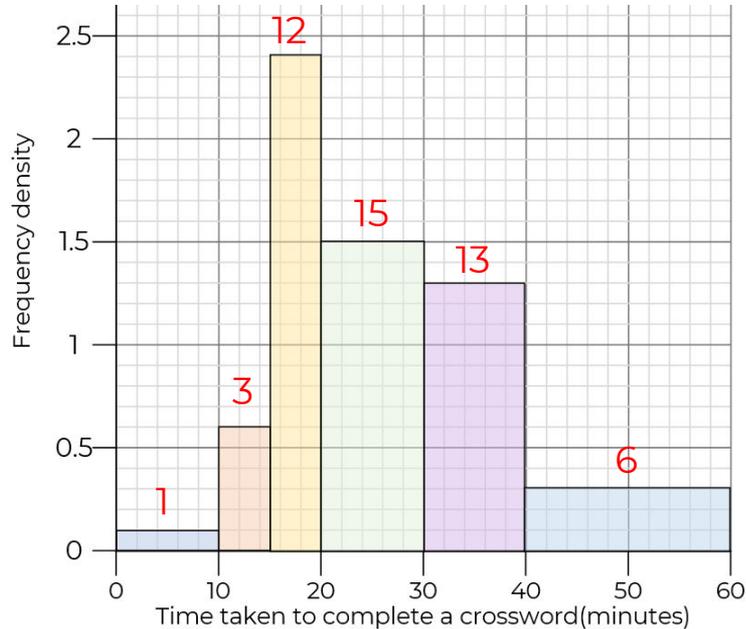


Answers



Find the median from a histogram

1. The histogram shows the time taken to complete a crossword.



a) Find the total frequency.

50

b) Which class interval contains the median?

$20 < t \leq 30$

c) Estimate the median time.

26 minutes

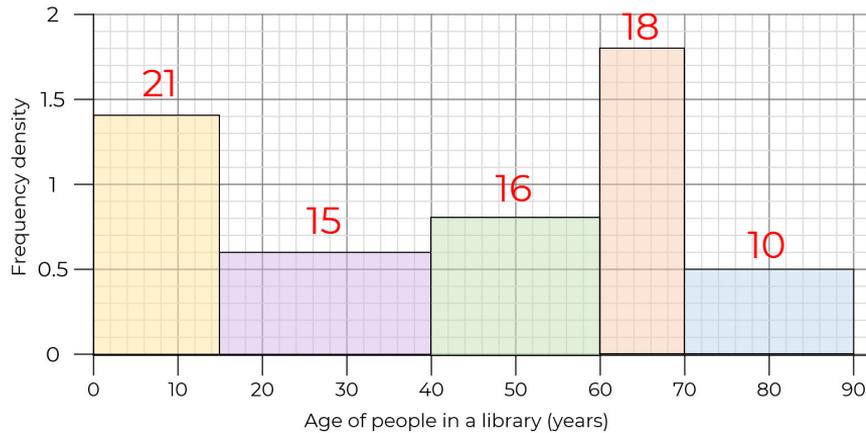


Find the median from a histogram

2. The histogram shows the age of people in a library.

a) Estimate the median age of people in the library. **45 years old**

b) Estimate how many people in the library are over 50 **36 people**



Find the median from a histogram

3. The histogram shows the weight of some parcels.



a) Estimate the median weight. **5.56 kg (3sf)**

b) Find the lower quartile **3 kg**

4. Use the histogram to estimate the median and interquartile range.

