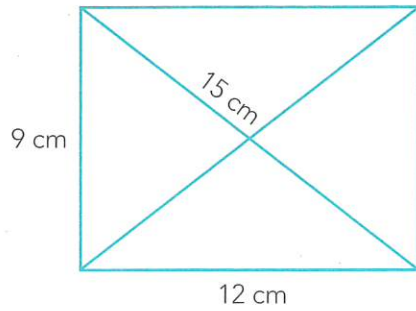


- 7 Henare is given a challenge. He must draw the shortest line possible connecting the four corners of the rectangle without taking his pen off the page. Four routes are shown on the right.



Ben says the N-shaped route is the shortest.

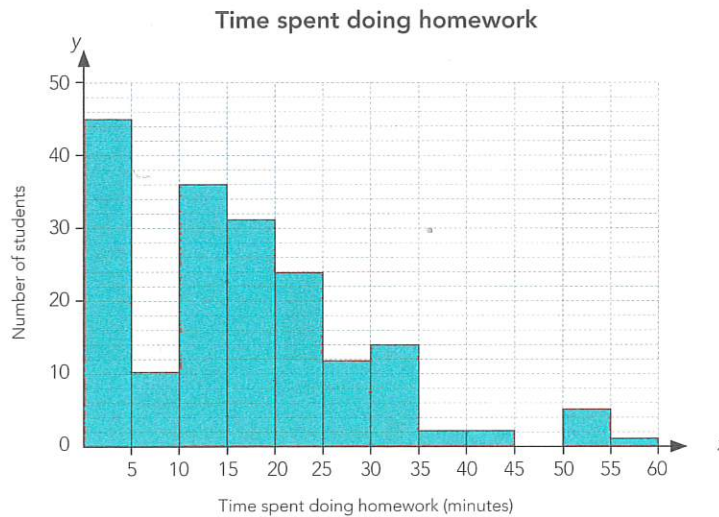
Agree

Disagree

Can't tell for sure

Explain your answer.

- 8 On Tuesday the principal surveyed 187 Year 10 students anonymously to find out how much time each had spent on homework the previous night.



His conclusion was that over half of students do less than 15 minutes' homework each night.

Agree

Disagree

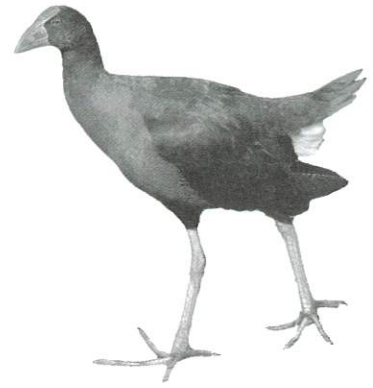
Can't tell for sure

Explain your answer.

- 9 Pukeko nests are unusual because they normally contain eggs from several females. The number of eggs in 10 nests were counted. These are the results:

2 12 13 15 16 16 17 17 17 18

Anna said that the mean gives the best measure of the centre of the data.



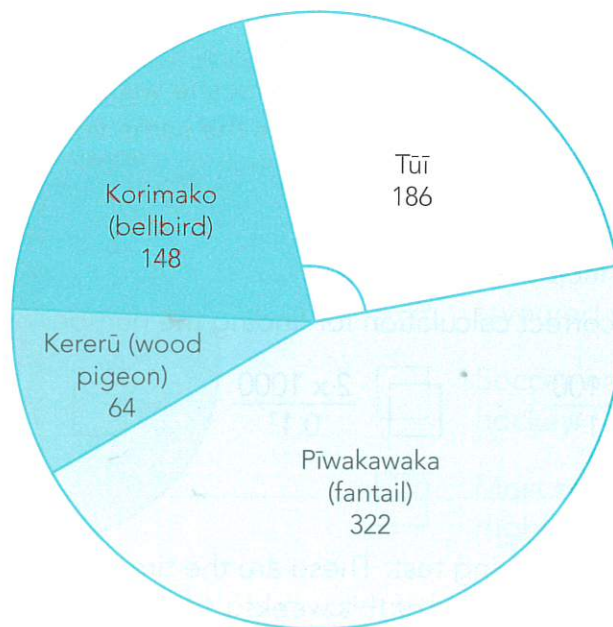
Agree

Disagree

Can't tell for sure

Explain your answer.

- 10 Each student in the school voted for which of the native birds found in the school grounds was their favourite. The results are shown on the pie graph.



Heidi said the angle at the centre of the sector for tūī was 90° .

Agree

Disagree

Can't tell for sure

Explain your answer.
