

7th March

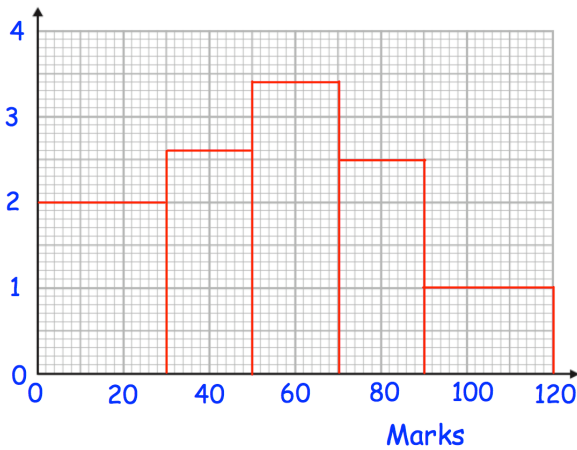


Sophie estimated that the distance between Bristol and Newcastle is about 290 miles and that her average driving speed would be 60 mph.

She estimated the distance to the nearest 10 miles and the speed to the nearest 10 mph.

Calculate the lower bound of the time the journey should take.
Give your answer in hours and minutes.
Give your answer to the nearest minute.

Frequency Density



260 people sit a driving theory test. Their results are shown in this histogram.

10% of the people scored less than x marks

Find x

5% of people scored more than y marks.

Find y

Solve the simultaneous equations

$$x^2 + 3xy = 10$$

$$x + 2y = 3$$