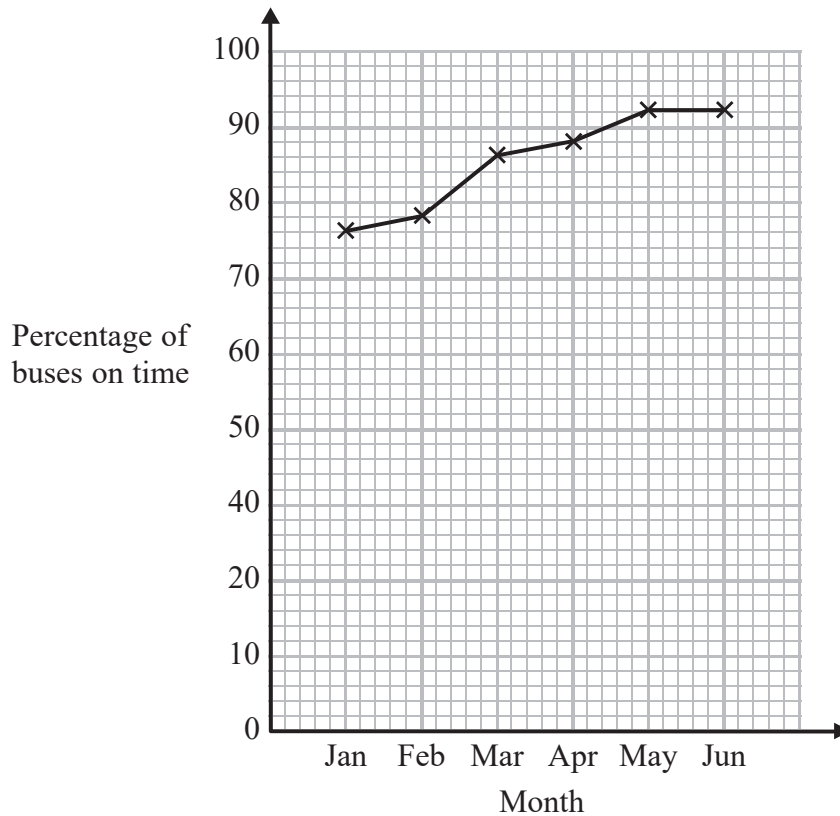


1. Chrissy drew this graph to show the percentage of buses that got to a bus stop on time for six months.



- (a) Write down **one** thing that is wrong with the graph.

The vertical scale factor is not linear because it is missing 30 ✓

(1)

- (b) Describe the trend in the percentage of buses that got to the bus stop on time.

The trend is positive ✓

(1)

(Total for Question is 2 marks)

2. Malik is going to throw a fair coin 50 times.

(a) Write down an estimate for the number of times the coin will land on heads.

$$P(H) = \frac{1}{2}$$

$$\frac{1}{2} \times 50 = 25$$

①

25

(1)

Paula and Simon are trying to find out if a different coin is biased.

Paula throws this coin 10 times.

She records the number of times the coin lands on heads.

Simon throws the same coin 100 times.

He records the number of times the coin lands on heads.

(b) Whose results will be more useful in deciding if the coin is biased?

Give a reason for your answer.

Simon, because 100 is more than 10. ①

(1)

(Total for Question is 2 marks)