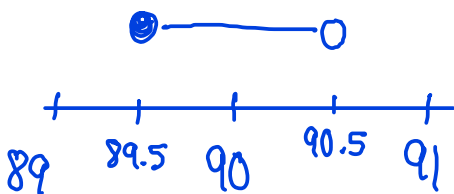


1 The length of a football pitch is 90 metres, correct to the nearest metre.

Complete the error interval for the length of the football pitch.

interval is $90 \pm \text{half a metre}$



$$\overset{\textcircled{1}}{89.5} \text{ m} \leq \text{length} < \overset{\textcircled{1}}{90.5} \text{ m}$$

(Total for Question 1 is 2 marks)

Tip: 90.5 is not included as it rounds to 91, not 90

2 $x = 4700$ correct to 2 significant figures.(b)

Complete the error interval for x .

$$\dots\dots\dots 4650 \leq x < 4750 \dots\dots\dots$$

(1) (2) (1)

(Total for Question 2 is 2 marks)

- 3 A number, d , is rounded to 1 decimal place.
The result is 12.7

Complete the error interval for d .

$$\text{upper bound} = 12.7 + 0.05 = 12.75$$

$$\text{lower bound} = 12.7 - 0.05 = 12.65$$

$$\overset{\textcircled{1}}{12.65} \leq d < \overset{\textcircled{1}}{12.75}$$

(Total for Question 3 is 2 marks)