



Name: _____ **Date:** _____ **Score:** _____ / 34

- 1** The mass of a parcel is 340 g, correct to the nearest 10 g.
Complete the error interval for the mass, m grams, of the parcel.

..... $\leq m <$

(2 marks)

Answer _____

- 2** The length of a pencil is 27 cm, correct to the nearest centimetre.
Complete the error interval for the length, L cm, of the pencil.

..... $\leq L <$

(2 marks)

Answer _____

- 3** The attendance at a football match is 5600, correct to the nearest 100
Complete the error interval for the attendance, n .

..... $\leq n <$

(2 marks)

Answer _____

- 4** The length of a ribbon is 7.5 m, correct to the nearest half metre.
Complete the error interval for the length, L metres, of the ribbon.

..... $\leq L <$

(2 marks)

Answer _____

- 5** The mass of a cat is 8.3 kg, correct to 1 decimal place.
Complete the error interval for the mass, w kg, of the cat.

..... $\leq w <$

(2 marks)

Answer _____

- 6** Ali says the crowd at a rugby match was 600, correct to the nearest 100.
Bea says the crowd at a different match was 600, correct to the nearest 10.
- Write down the error interval for the crowd Ali describes.
 - Write down the error interval for the crowd Bea describes.
 - Whose figure tells you the crowd size more accurately? Give a reason.

(4 marks)

Answer _____

- 7** The time taken for a ball to roll down a ramp is 4.70 seconds, correct to 2 decimal places.
Complete the error interval for the time, t seconds.

..... $\leq t <$

(2 marks)

Answer _____

- 8** A bag of flour has a mass of 1.5 kg, correct to the nearest 0.1 kg.
- Write down the error interval for the mass, m kg, of the flour.
 - Could the actual mass of the flour be exactly 1.55 kg? Give a reason for your answer.

(3 marks)

Answer _____

- 9** A number d is truncated to 1 decimal place.
The result is 12.4
Complete the error interval for d .

..... $\leq d <$

(2 marks)

Answer _____

- 10** A digital scale shows the weight of a suitcase as 52 kg.
The scale truncates the weight to a whole number of kilograms.
Complete the error interval for the weight, w kg, of the suitcase.
 $\dots \leq w < \dots$

(2 marks)

Answer _____

- 11** A number x is 470, correct to 2 significant figures.
Complete the error interval for x .
 $\dots \leq x < \dots$

(2 marks)

Answer _____

- 12** A number y is 0.08, correct to 1 significant figure.
Complete the error interval for y .
 $\dots \leq y < \dots$

(2 marks)

Answer _____

- 13** A number k is 15.0, correct to 3 significant figures.
Complete the error interval for k .
 $\dots \leq k < \dots$

(2 marks)

Answer _____

- 14** A number p is truncated to 2 decimal places.
The result is 7.26
Complete the error interval for p .
 $\dots \leq p < \dots$

(2 marks)

Answer _____

15

- a. Write down the reciprocal of 0.4
- b. A number q is rounded to 2 significant figures.
The result is 2.5
Complete the error interval for q .
 $\dots \leq q < \dots$

(3 marks)

Answer

End of questions | Total 34 marks