



Error Intervals



REVISE THIS TOPIC

CHECK YOUR ANSWERS



1 A number, n , is rounded to 2 decimal places.
The result is 3.17

Complete the error interval for n .

..... $\leq n <$

(Total for Question 1 is 2 marks)

2 A number, p , is rounded to 1 decimal place.
The result is 6.2

Complete the error interval for p .

..... $\leq p <$

(Total for Question 2 is 2 marks)

3 A number, T , is rounded to 2 decimal places.
The result is 8.52

Complete the error interval for T .

..... $\leq T <$

(Total for Question 3 is 2 marks)

4 A number, k , is rounded to 1 decimal place.
The result is 3.1

Complete the error interval for k .

..... $\leq k <$

(Total for Question 4 is 2 marks)



5 A number, r , is rounded to 1 decimal place.
The result is 6.0

Complete the error interval for r .

$$\dots \leq r < \dots$$

(Total for Question 5 is 2 marks)

6 A number, m , is rounded to 3 decimal places.
The result is 4.292

Complete the error interval for m .

$$\dots \leq m < \dots$$

(Total for Question 6 is 2 marks)

7 A number, v , is rounded to 2 decimal places.
The result is 3.07

Complete the error interval for v .

$$\dots \leq v < \dots$$

(Total for Question 7 is 2 marks)

8 A number, h , is rounded to 2 decimal places.
The result is 0.71

Complete the error interval for h .

$$\dots \leq h < \dots$$

(Total for Question 8 is 2 marks)



9 A number, x , is rounded to the nearest integer
The result is 23

Complete the error interval for x .

$$\dots \leq x < \dots$$

(Total for Question 9 is 2 marks)

10 A number, y , is rounded to the nearest 10.
The result is 70

Complete the error interval for y .

$$\dots \leq y < \dots$$

(Total for Question 10 is 2 marks)

11 A number, d , is rounded to the nearest 1000.
The result is 72000

Complete the error interval for d .

$$\dots \leq d < \dots$$

(Total for Question 11 is 2 marks)

12 A number, w , is rounded to the nearest 100
The result is 41600

Complete the error interval for w .

$$\dots \leq w < \dots$$

(Total for Question 12 is 2 marks)



13 A number, a , is rounded to the nearest 20
The result is 360

Complete the error interval for a .

$$\dots \leq a < \dots$$

(Total for Question 13 is 2 marks)

14 A number, b , is rounded to 2 significant figures.
The result is 27000

Complete the error interval for b .

$$\dots \leq b < \dots$$

(Total for Question 14 is 2 marks)

15 A number, g , is rounded to 1 significant figure.
The result is 800

Complete the error interval for g .

$$\dots \leq g < \dots$$

(Total for Question 15 is 2 marks)

16 A number, C , is rounded to 3 significant figures
The result is 3.12

Complete the error interval for C .

$$\dots \leq C < \dots$$

(Total for Question 16 is 2 marks)



17 A number, H , is rounded to 2 significant figures
The result is 0.0068

Complete the error interval for H .

$$\dots\dots\dots \leq H < \dots\dots\dots$$

(Total for Question 17 is 2 marks)

18 The length of a football pitch is 94 m correct to the nearest metre.

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

$$\dots\dots\dots \text{ m } \leq \text{length} < \dots\dots\dots \text{ m}$$

(Total for Question 18 is 2 marks)

19 The mass of an apple is 100 g correct to the nearest gram.

Complete the error interval for the mass of the apple.

$$\dots\dots\dots \text{ g } \leq \text{mass} < \dots\dots\dots \text{ g}$$

(Total for Question 19 is 2 marks)

20 The capacity of a drinks can is 330 ml correct to the nearest millilitre.

Complete the error interval for the capacity of the drinks can.

$$\dots\dots\dots \text{ ml } \leq \text{capacity} < \dots\dots\dots \text{ ml}$$

(Total for Question 20 is 2 marks)



21 A number, R , is truncated to 1 digit.
The result is 4

Complete the error interval for R .

$$\dots \leq R < \dots$$

(Total for Question 21 is 2 marks)

22 A number, P , is truncated to 2 digits.
The result is 36

Complete the error interval for P .

$$\dots \leq P < \dots$$

(Total for Question 22 is 2 marks)

23 A number, Y , is truncated to 1 decimal place.
The result is 8.7

Complete the error interval for Y .

$$\dots \leq Y < \dots$$

(Total for Question 23 is 2 marks)

24 A number, U , is truncated to 2 decimal places.
The result is 5.24

Complete the error interval for U .

$$\dots \leq U < \dots$$

(Total for Question 24 is 2 marks)

