



SCAN ME

Error Intervals



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REVISE THIS TOPIC

CHECK YOUR ANSWERS

1 When rounded to 2 decimal places, $n = 3.17$
Complete the error interval for n . [2 marks]

 $\text{_____} \leq n < \text{_____}$

2 When rounded to 1 decimal place, $p = 6.2$
Complete the error interval for p . [2 marks]

 $\text{_____} \leq p < \text{_____}$

3 When rounded to 2 decimal places, $T = 8.52$
Complete the error interval for T . [2 marks]

 $\text{_____} \leq T < \text{_____}$

4 When rounded to 1 decimal place, $k = 3.1$
Complete the error interval for k . [2 marks]

 $\text{_____} \leq k < \text{_____}$





5 When rounded to 1 decimal place, $r = 6.0$
Complete the error interval for r . [2 marks]

_____ $\leq r <$ _____

6 When rounded to 3 decimal places, $m = 4.292$
Complete the error interval for m . [2 marks]

_____ $\leq m <$ _____

7 When rounded to 2 decimal places, $v = 3.07$
Complete the error interval for v . [2 marks]

_____ $\leq v <$ _____

8 When rounded to 2 decimal places, $h = 0.71$
Complete the error interval for h . [2 marks]

_____ $\leq h <$ _____





9 When rounded to the nearest integer, $x = 23$
Complete the error interval for x .

[2 marks]

_____ $\leq x <$ _____

10 When rounded to the nearest 10, $y = 70$
Complete the error interval for y .

[2 marks]

_____ $\leq y <$ _____

11 When rounded to the nearest 10, $d = 72000$
Complete the error interval for d .

[2 marks]

_____ $\leq d <$ _____

12 When rounded to the nearest 100, $w = 41600$
Complete the error interval for w .

[2 marks]

_____ $\leq w <$ _____

Turn over ►





13 When rounded to the nearest 20, $a = 360$
Complete the error interval for a . [2 marks]

_____ $\leq a <$ _____

14 When rounded to 2 significant figures, $b = 27000$
Complete the error interval for b . [2 marks]

_____ $\leq b <$ _____

15 When rounded to 1 significant figure, $g = 800$
Complete the error interval for g . [2 marks]

_____ $\leq g <$ _____

16 When rounded to 3 significant figures, $C = 3.12$
Complete the error interval for C . [2 marks]

_____ $\leq C <$ _____





17 When rounded to 2 significant figures, $H = 0.0068$
Complete the error interval for H . [2 marks]

_____ $\leq H <$ _____

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. [2 marks]

_____ m \leq length $<$ _____ m

19 The mass of an apple is 100 g correct to the nearest gram.
Complete the error interval for the mass of the apple. [2 marks]

_____ g \leq mass $<$ _____ g

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. [2 marks]

_____ ml \leq capacity $<$ _____ ml

Turn over ►





21 When truncated to 1 digit, $R = 4$
Complete the error interval for R . [2 marks]

_____ $\leq R <$ _____

22 When truncated to 2 digits, $P = 36$
Complete the error interval for P . [2 marks]

_____ $\leq P <$ _____

23 When truncated to 1 decimal place, $Y = 8.7$
Complete the error interval for Y . [2 marks]

_____ $\leq Y <$ _____

24 When truncated to 2 decimal places, $U = 5.24$
Complete the error interval for U . [2 marks]

_____ $\leq U <$ _____





25 The number of students attending a school is 800, rounded to 1 significant figure.

25 (a) Write down the minimum possible number of students that attend the school. [1 mark]

Answer _____

25 (b) Write down the maximum possible number of students that attend the school. [1 mark]

Answer _____

26 Sam checks the amount of money in his pocket.
To the nearest pound, he has £4.00

26 (a) Write down the minimum amount of money Sam could have in his pocket. [1 mark]

Answer £ _____

26 (b) Write down the maximum amount of money Sam could have in his pocket. [1 mark]

Answer £ _____

