# Error Intervals

SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

**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 $r$.

..... $\leq r <$ .....

**(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 $m$.

..... $\leq m <$ .....

**(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 $v$.

..... $\leq v <$ .....

**(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 $h$.

..... $\leq h <$ .....

**(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 $x$.

..... $\leq x <$ .....

**(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 $y$.

..... $\leq y <$ .....

**(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 $d$.

..... $\leq d <$ .....

**(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 $w$.

..... $\leq w <$ .....

**(Total for Question 12 is 2 marks)**







Solutions

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

Complete the error interval for $a$.

..... $\leq a <$ .....

**(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 $b$.

..... $\leq b <$ .....

**(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 $g$.

..... $\leq g <$ .....

**(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 $C$.

..... $\leq C <$ .....

**(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 $H$.

..... $\leq H <$ .....

**(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.

..... m $\leq$ length $<$ ..... 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.

..... g $\leq$ mass $<$ ..... 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.

..... ml $\leq$ capacity $<$ ..... ml

**(Total for Question 20 is 2 marks)**







Solutions

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

Complete the error interval for $R$.

..... $\leq R <$ .....

**(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 $P$.

..... $\leq P <$ .....

**(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 $Y$.

..... $\leq Y <$ .....

**(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 $U$.

..... $\leq U <$ .....

**(Total for Question 24 is 2 marks)**







Solutions