

- 1 The weight of a bag of potatoes is 15 kg, correct to the nearest kg.
- (a) Write down the smallest possible weight of the bag of potatoes.
- (b) Write down the largest possible weight of the bag of potatoes.
- (2 marks)**
- 

- 2 The length of a line is 81 centimetres, correct to the nearest centimetre.
- (a) Write down the least possible length of the line.
- (b) Write down the greatest possible length of the line.
- (2 marks)**
- 

- 3 The height of a building is measured as 11 metres, correct to the nearest metre.
- (a) Write down the least possible height of the building.
- (b) Write down the greatest possible height of the building.
- (2 marks)**
- 

- 4 A number  $y$  is rounded to 1 decimal place.
- The result is 5.2
- Write down the error interval for  $y$ .
- (2 marks)**
- 

- 5 A number  $y$  is rounded to 1 decimal place.
- The result is 14.8
- Write down the error interval for  $y$ .
- (2 marks)**
- 

- 6 A number  $y$  is rounded to 2 decimal places.
- The result is 1.51
- Write down the error interval for  $y$ .
- (2 marks)**
- 

- 7 A number  $x$  is rounded to 2 decimal places.
- The result is 0.18
- Write down the error interval for  $x$ .
- (2 marks)**
- 

- 8 A number  $x$  is rounded to 3 significant figures.
- The result is 3.69
- Write down the error interval for  $x$ .
- (2 marks)**
- 

- 9 A number  $x$  is rounded to 3 significant figures.
- The result is 2.17
- Write down the error interval for  $x$ .
- (2 marks)**
- 

- 10 A number  $y$  is rounded to 1 decimal place.
- The result is 0.7
- Write down the error interval for  $y$ .
- (2 marks)**
- 

- 11 A number  $y$  is rounded to 1 decimal place.
- The result is 19.3
- Write down the error interval for  $y$ .
- (2 marks)**
-

12 A number  $y$  is rounded to 2 decimal places.

The result is 1.26

Write down the error interval for  $y$ .

(2 marks)

13 A number  $x$  is rounded to 2 decimal places.

The result is 2.35

Write down the error interval for  $x$ .

(2 marks)

14 A number  $x$  is rounded to 3 decimal places.

The result is 8.124

Write down the error interval for  $x$ .

(2 marks)

15 A number  $x$  is rounded to 3 significant figures.

The result is 5.67

Write down the error interval for  $x$ .

(2 marks)

16 A number  $x$  is **truncated** to 1 decimal place.

The result is 6.2

Write down the error interval for  $x$ .

(2 marks)

17 A number  $x$  is **truncated** to 2 decimal places.

The result is 9.58

Write down the error interval for  $x$ .

(2 marks)

18 A number  $x$  is **truncated** to 2 decimal places.

The result is 3.57

Write down the error interval for  $x$ .

(2 marks)

19 A number  $x$  is rounded to 2 significant figures.

The result is 210

Write down the error interval for  $x$ .

(2 marks)

20 A number  $x$  is rounded to 3 significant figures.

The result is 0.458

Write down the error interval for  $x$ .

(2 marks)

21 A number  $x$  is rounded to 1 significant figure.

The result is 6000

Write down the error interval for  $x$ .

(2 marks)