



Scan for the solutions

Name: _____ **Date:** _____ **Score:** _____ / 26

1 Write the number 12.86 correct to 1 decimal place. (1 mark)

Answer _____

2 Write the number 3.472 correct to 2 decimal places. (1 mark)

Answer _____

3 a. Write 7.0849 correct to 3 decimal places.
b. Mia rounds 2.4967 to 2 decimal places. She writes 2.5
Explain why Mia's answer is not fully correct. (2 marks)

Answer _____

4 a. Write the number 4738 correct to 2 significant figures.
b. Write the number 0.05372 correct to 2 significant figures. (2 marks)

Answer _____

5 Write each number correct to 3 significant figures.
a. 0.004078
b. 39 962
c. 6.996 (3 marks)

Answer _____

- 6 By rounding each number to 1 significant figure, work out an estimate for $(587 + 214) \div 3.9$

(2 marks)

Answer _____

- 7 Work out an estimate for the value of

$$\frac{48.7 \times 6.12}{0.216}$$

You must round each number to 1 significant figure.

(3 marks)

Answer _____

- 8 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 _____

- 9 a. A number n is rounded to 1 significant figure. The result is 30
Write down the error interval for n .
b. Kai gives his age in whole years by truncating. He says he is 13
Write down the error interval for Kai's exact age, a years.

(2 marks)

Answer _____

- 10 A number x is 470, correct to 2 significant figures.
Complete the error interval for x .

..... $\leq x <$

(2 marks)

Answer _____

- 11 The height of a sunflower is 160 cm, correct to the nearest 10 cm.
Ollie says, "The sunflower could be 165 cm tall."
Is Ollie correct? Give a reason for your answer.

(2 marks)

Answer _____

12

Marco is building a fence.

He buys 28 fence panels costing £19.75 each.

He also buys a tin of paint costing £41.80

By rounding each number to 1 significant figure, work out an estimate for the total amount Marco pays.

(4 marks)

Answer

End of questions | Total 26 marks