



- 1 Use your calculator to work out

$$(13.7 + 9.28) \div 0.64$$

- Write down all the figures on your calculator display.
- Write your answer to part (a) correct to 2 decimal places.

(3 marks)

$$13.7 + 9.28 = 22.98$$

$$22.98 \div 0.64 = 35.90625$$

(b) The third decimal place is 6, so round up: 35.91

- 2 Write the number 8.6 to the nearest whole number.

(1 mark)

8.6 is between 8 and 9

The tenths digit is 6, which is 5 or more, so round up to 9

9

- 3 Write 7.349 correct to 2 decimal places.

(1 mark)

Look at the 3rd decimal place: 9, so round up

7.35

- 4 Write the number 23.48 to the nearest whole number.

(1 mark)

23.48 is between 23 and 24

The tenths digit is 4, which is less than 5, so round down to 23

23

- 5 Rhys works out the cost of a meal as £17.846

Write this amount to the nearest penny.

(2 marks)

Nearest penny = 2 decimal places

3rd decimal place is 6, so round up

£17.85

- 6 A bag of flour has a mass of 1.4962 kg.
Write this mass correct to 1 decimal place.

(2 marks)

1st decimal place is 4, next digit is 9: round up

1.5 kg

- 7 Write the number 5.74 correct to 1 decimal place.

(1 mark)

The digit after the first decimal place is 4

4 is less than 5, so round down: 5.7

5.7

- 8 a. Write 0.0865 correct to 2 decimal places.
b. Write 9.996 correct to 2 decimal places.

(2 marks)

a)

0.0865: the digit after the 2nd place is 6, round up

0.09

b)

9.996: 9.99 rounds up to 10.00

10.00

- 9 Use your calculator to work out $17 \div 7$
Give your answer correct to 3 decimal places.

(2 marks)

$$17 \div 7 = 2.428571...$$

4th decimal place is 5, so round up

2.429

- 10 Write the number 12.86 correct to 1 decimal place.

(1 mark)

The digit after the first decimal place is 6

6 is 5 or more, so round up: 12.9

12.9

- 11 Write the number 3.472 correct to 2 decimal places.

(1 mark)

The digit after the second decimal place is 2

2 is less than 5, so round down: 3.47

3.47

12

A cyclist rides 12.4 km in 0.65 hours.

Work out her mean speed in km/h.

Give your answer correct to 2 decimal places.

(3 marks)

$$\begin{aligned}\text{speed} &= 12.4 \div 0.65 \\ &= 19.0769...\end{aligned}$$

3rd decimal place is 6, so round up

$$19.08 \text{ km/h}$$