

- 1 A rocket travelled 100 km at an average speed of 28 440 km/h.

Work out how long it took the rocket to travel the 100 km.

Give your answer in seconds, correct to the nearest second.

..... seconds

---

**(Total for Question 1 is 3 marks)**

**2** (a) Change 3 litres into millilitres.

.....millilitres  
(1)

(b) Change 6500 grams into kilograms.

.....kilograms  
(1)

---

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

- 3** (a) Complete the following sentences by writing a sensible metric unit on each of the dotted lines.

(i) The distance from Cairo to Nairobi is 5211 .....

(ii) The weight of an egg is 20 .....

(iii) The area of the floor of a classroom is 260 .....

**(3)**

Cara has a bottle of juice.

There is 1 litre of juice in the bottle.

Cara makes some drinks.

She uses exactly 30 millilitres of this juice to make each drink.

Cara makes as many drinks as possible.

(b) How many drinks does Cara make?

.....  
**(3)**

---

**(Total for Question 3 is 6 marks)**

---

4 Change  $32.4 \text{ m}^3$  into  $\text{cm}^3$

.....  $\text{cm}^3$

---

**(Total for Question 4 is 2 marks)**

5 Change a speed of 50 metres per second to a speed in kilometres per hour.

..... kilometres per hour

**(Total for Question 5 is 3 marks)**

---

6 (b) Change  $1 \text{ m}^3$  to  $\text{cm}^3$

.....  $\text{cm}^3$   
(1)

---

**(Total for Question 6 is 1 marks)**

---

7 (d) Complete the following sentence by writing a suitable metric unit on the dotted line.

The length of a pen is 16 .....

(1)

(Total for Question 7 is 1 marks)

---

**8** Change a speed of 81 kilometres per hour to a speed in metres per second.

..... metres per second

**(Total for Question 8 is 3 marks)**

---



- 9 (a) Change 6 metres into centimetres.

..... centimetres  
(1)

- (b) Change 4500 grams into kilograms.

..... kilograms  
(1)

Lauren has 3 litres of fruit juice.

She is going to use the fruit juice to make some drinks for a party.

Each cup of drink will contain 225 millilitres of fruit juice.

Lauren is going to make as many cups of drink as possible.

- (c) Work out how much fruit juice Lauren has left when she has made as many cups of drink as possible.  
Give your answer in millilitres.

..... millilitres  
(4)

---

(Total for Question 9 is 6 marks)

**10** Milly went on a car journey.

She travelled from Anesey to Breigh to Clando and then to Duckbridge.

For Anesey to Breigh, Milly drove the 245 km in 2.5 hours.

For Breigh to Clando, Milly drove the 220 km at an average speed of 80 km/h

For Clando to Duckbridge, Milly drove at an average speed of 72 km/h in 50 minutes.

Work out Milly's average speed, in km/h, for the journey from Anesey to Duckbridge.

Give your answer correct to one decimal place.

..... km/h

---

(Total for Question 10 is 4 marks)

- 11** Mairi has a 2 metre length of string.  
She cuts from the string as many lengths of 35 centimetres as possible.  
Work out the length of string that she has left.  
Give your answer in centimetres.

..... cm

---

(Total for Question 11 is 3 marks)

- 12** Iman walked for 3 hours 15 minutes.  
He walked a distance of 18.2 kilometres.

Work out Iman's average speed for his walk.  
Give your answer in km/h

..... km/h

---

**(Total for Question 12 is 3 marks)**

**13** (d) Change 3.6 metres into centimetres.

..... cm

**(1)**

---

**(Total for Question 13 is 1 marks)**

- 14** Change a speed of 90 kilometres per hour to a speed in metres per second.  
Show your working clearly.

..... m/s

---

**(Total for Question 14 is 3 marks)**

**15** A field is in the shape of a trapezium.

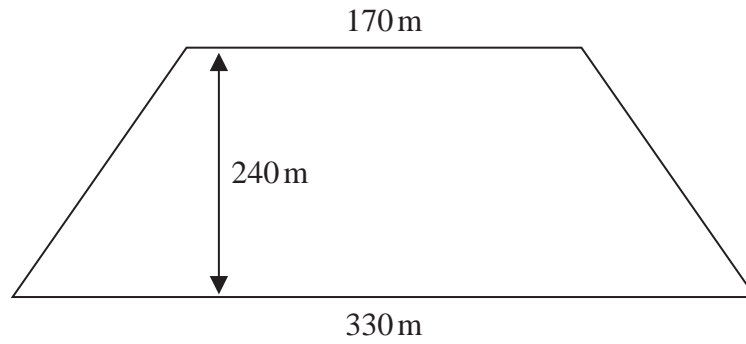


Diagram **NOT**  
accurately drawn

The field is sold for a price of \$49 650

Given that 1 hectare = 10 000 m<sup>2</sup>

work out the average price of the field per hectare.

\$.....

---

(Total for Question 15 is 4 marks)

**16** Change a speed of 27 kilometres per hour to a speed in metres per second.

..... m/s

---

**(Total for Question 16 is 3 marks)**