

- 1** A rocket travelled 100km at an average speed of 28440km/h.

Work out how long it took the rocket to travel the 100km.
Give your answer in seconds, correct to the nearest second.

..... seconds

(Total for Question 1 is 3 marks)

2 Change 32.4 m^3 into cm^3

..... cm^3

(Total for Question 2 is 2 marks)

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

..... kilometres per hour

(Total for Question 3 is 3 marks)

4 (b) Change 1 m^3 to cm^3

..... cm^3
(1)

(Total for Question 4 is 1 marks)

5 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 5 is 4 marks)

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

..... m/s

(Total for Question 6 is 3 marks)

- 7 A field is in the shape of a trapezium.

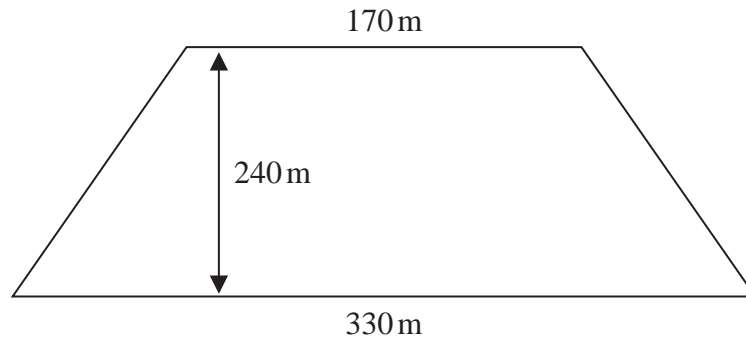


Diagram **NOT**
accurately drawn

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

Given that 1 hectare = 10 000 m²

work out the average price of the field per hectare.

\$.....

(Total for Question 7 is 4 marks)

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

..... m/s

(Total for Question 8 is 3 marks)