

4.3

Speed, Distance and Time

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January 2018 2F

- 16** A bus leaves Dubai airport and travels to Abu Dhabi.
The bus travels a distance of 165 km at an average speed of 50 km/h.

Work out the time taken by the bus to travel from Dubai airport to Abu Dhabi.
Give your answer in hours and minutes.

..... hours minutes

(Total for Question 16 is 3 marks)

June 2018 1FR

- 26** Change a speed of 72 kilometres per hour to a speed in metres per second.

..... metres per second

20 Abelle flew by plane from Dubai to Rome.

The flight time was 6 hours 42 minutes.

The average speed of the plane was 650 kilometres per hour.

Work out the distance the plane flew.

..... kilometres

(Total for Question 20 is 3 marks)

January 2019 1F

A different train travelled from Dhaka to Darshana.

The train took 5 hours and 30 minutes.

The train travelled a distance of 327 kilometres.

(c) Work out the average speed of the train.

Give your answer in kilometres per hour correct to the nearest whole number.

(3) km/h

(b) Change a speed of 630 kilometres per hour to a speed in metres per second.

(3) m/

January 2019 1FR

20 The Shanghai Maglev Train takes 8 minutes to travel a distance of 30.5 kilometres.

Work out the average speed of the train.
Give your answer in kilometres per hour.

kilometres per hour

(Total for Question 20 is 3 marks)

June 2019 2F

- 19 Change a speed of x kilometres per hour into a speed in metres per second.
Simplify your answer.

..... m/s

(Total for Question 19 is 3 marks)

June 2019 1FR

- 23 Change 22 metres per second to a speed in kilometres per hour.
Show your working clearly.

..... km/h

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

..... kilometres per hour

January 2020 2FR

- 20 A plane takes 3 hours 36 minutes to fly from the Cayman Islands to New York.
The plane flies a distance of 2470 km.

Work out the average speed of the plane in km/h.
Give your answer correct to the nearest whole number.

..... km/h

(Total for Question 20 is 3 marks)

June 2020 1F

- 19 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 19 is 3 marks)

- 15 A train takes 6 hours 39 minutes to travel from New Delhi to Kanpur.
The train travels a distance of 429 km.

Work out the average speed of the train.

Give your answer in km/h correct to one decimal place.

..... km/h

(Total for Question 15 is 3 marks)

January 2021 1FR

- 19 A train journey from Paris to Amsterdam took 3 hours 24 minutes.
The total distance the train travelled was 433.5 km.

Work out the average speed of the train.
Give your answer in kilometres per hour.

..... km/h

(Total for Question 19 is 3 marks)

June 2021 1F

- 16 A plane flew from Madrid to Dubai.

The distance the plane flew was 5658 km.
The flight time was 8 hours 12 minutes.

Work out the average speed of the plane.

..... km/h

(Total for Question 16 is 3 marks)

6

Aaron cycled along a straight path from his house to Bharat's house.
The scale of the map is 1 cm represents 5 km.

(d) Work out the distance, in kilometres, that Aaron cycled.

..... km
(1)

Aaron left his house at 10 45 am and arrived at Bharat's house at 1 05 pm.

(e) How long did Aaron's cycle ride take him?
Give your answer in hours and minutes.

..... hours minutes
(2)

November 2021 2F

16 Ravina leaves her home at 1 35 pm in her car.

Ravina drives 60 km from her home to get to an appointment.
She drives at an average speed of 80 km/h.

At what time does Ravina get to her appointment?

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

January 2022 2F

14 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 14 is 3 marks)

21 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 21 is 4 marks)

June 2022 2F

19 An aeroplane travelled from New York City to Los Angeles.

The aeroplane travelled a distance of 3980 kilometres in 5 hours 24 minutes.

Work out the average speed of the aeroplane.

Give your answer in kilometres per hour correct to the nearest whole number.

..... kilometres per hour

(Total for Question 19 is 3 marks)

June 2022 2F

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

..... metres per second

(Total for Question 23 is 3 marks)

January 2023 2F

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

..... m/s

(Total for Question 17 is 3 marks)

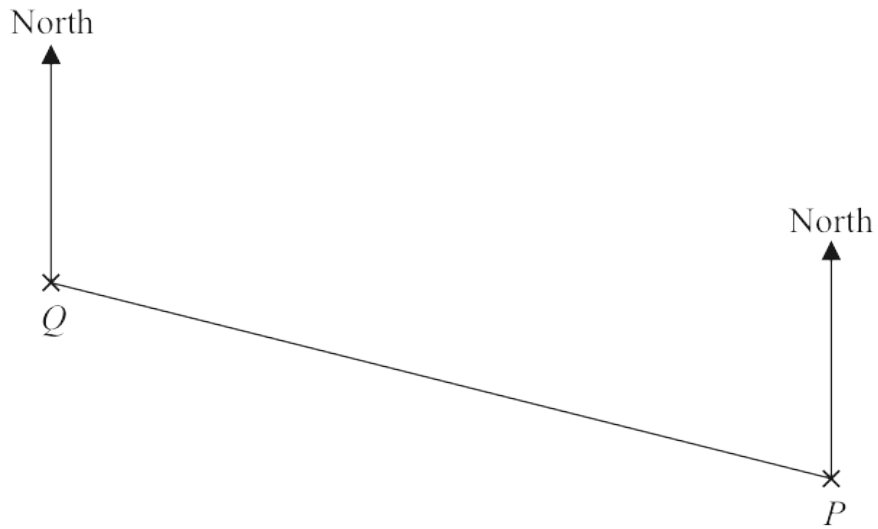
June 2023 2F

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

..... m/s

(Total for Question 25 is 3 marks)

16 The scale drawing shows the positions of two airports P and Q



scale: 1 cm represents 50 km

A small plane flies directly from P to Q
The plane takes 2 hours to fly from P to Q

(b) Work out the average speed of the plane.
Give your answer in km/h

..... km/h
(3)

18 Anjali travels on the Eurostar train from Paris to Amsterdam.

The distance the train travels between Paris and Amsterdam is 515 km.

The time taken by the train to travel between Paris and Amsterdam is 3 hours 18 minutes.

Work out the average speed of the train.

Give your answer in km/h correct to the nearest whole number.

..... km/h

(Total for Question 18 is 3 marks)