

Year 8 Class 11 questions

Q1

A plane travelled at 830 km/h for half an hour. How far did it travel?

km 415

Q2

A sprinter runs 200 m at an average speed of 10 m/s.

Calculate the time taken.

seconds
20

Q3

Penelope rides her bike 40 km in 2 hours. What is her average speed?

km/h 20

Q4

Calculate the distance travelled over 5 h 15 min at a speed of 96 km/h.

km 504

Q5

A plane travelled at 720 km/h for 40 mins. How far did it travel?

km 480

Q6

George's bus travels at an average speed of 30 km/h for the 15 km trip from school to home.

How long did the bus trip take?

minutes
30

Q7

Aria can sprint at 8 m/s.

How long will it take her to run 100 m at this speed?

seconds
12.5

Q8

Calculate your average speed if you walk 10 km in 2.5 hours.

km/h 4

Q9

A train travels 100 km in $1\frac{1}{4}$ hours. What is its average speed?

km/h 80

Q10

Calculate the distance travelled over 12 mins at a speed of 72 km/h.

km 14.4

Q11

Calculate the distance travelled over 12 mins at a speed of 840 km/h.

km 168

Q12

Calculate the distance travelled over 24 mins at a speed of 58 km/h.

km 23.2

Q13

Find the time taken if you drive 60 km at an average speed of 80 km/h.

Time = minutes
45

Q14

Calculate the time taken to travel 5 m at a speed of 10 m/s.

seconds
0.5

Q15

Calculate the time taken to travel 45 m at a speed of 0.5 m/s.

seconds
90

Q16

A car travels 35 km in 40 minutes. What is the average speed in km/h?

km/h 52.5

Q17

Calculate Pat's average speed if he takes 4 hours 30 min to travel 315 km.

km/h 70

Q18

Calculate the average speed of a wombat which runs 715 metres in 1 minute 5 seconds.

14 m/s

9 m/s

3 m/s

→ 11 m/s

Q19

How far does Amelia run in 4 minutes at a speed of 5 m/s?

km 1.2

Q20

Calculate the distance travelled over 3 minutes at a speed of 15 m/s.

km 2.7

Q21

Calculate the distance travelled over 35 minutes at a speed of 2.4 m/s.

km 5.04

Q22

Calculate the distance travelled over 10 minutes at a speed of 15.6 m/s.

km 9.36

Q23

A kangaroo hops 2530 m at an average speed of 22 m/s.

Calculate the time taken.

minute seconds

1 minute 55 seconds

Q24

Indiana sets out on a 15 km bushwalk at 8:30 am. She walks at an average speed of 4 km/h. What time will she finish the bushwalk?

pm

12:15

Q25

Calculate the time taken for a train travelling at 210 km/h to travel 252 km.

1 hr 2 min

1 hr 20 min

→ 1 hr 12 min

1 hr 32 min

Q26

Calculate the time taken for a plane flying at 720 km/h to travel 792 km.

1 hr 1 min

→ 1 hr 6 min

1 hr 10 min

1 hour

Q27

Owen leaves for his morning bike ride at 6 am. He returns at 7:15 am after riding 30 km. What was his average speed?

km/h 24

Q28

Emma drives for 20 minutes and travels 15 km. What was her average speed?

km/h 45

Q29

Calculate the average speed of a bushwalker who sets out on a 15 km bushwalk at 8:30 am and returns at 12:15 pm.

→ 4 km/h

6 km/h

5 km/h

3 km/h

Q30

Calculate the average speed of a train which takes 2 hours 45 minutes to travel 330 km.

115 km/h

105 km/h

135 km/h

→ 120 km/h