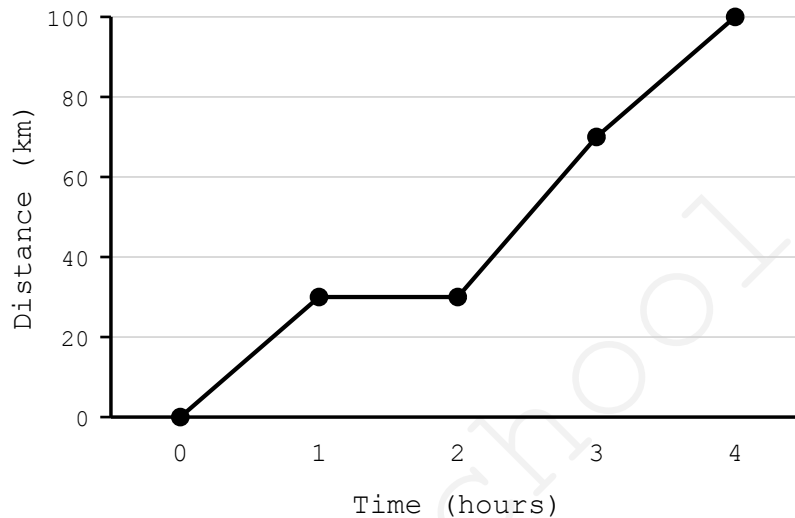


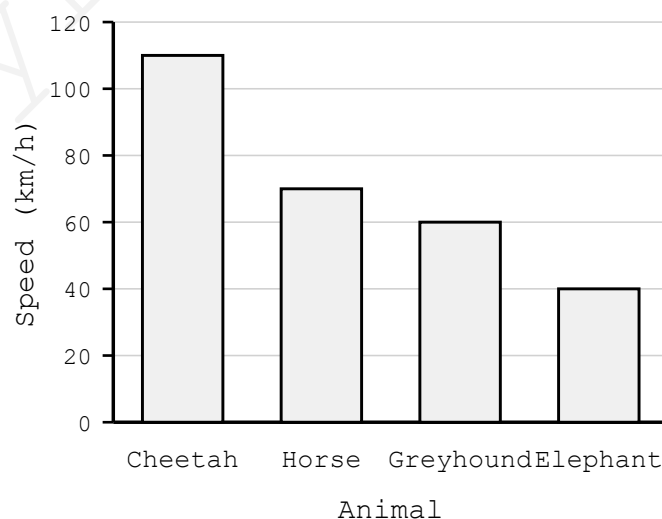
Speed, Distance & Time: Medium Practice Paper 8

Q1. The graph shows a car's journey. What was its average speed over the whole four hours?



- A. 33 km/h B. 30 km/h C. 40 km/h D. 25 km/h E. 100 km/h

Q2. The bar chart shows the top speed of four animals. How much faster is the cheetah than the horse?



- A. 70 km/h B. 50 km/h C. 30 km/h D. 180 km/h E. 40 km/h

Q3. A runner keeps a pace of 6 minutes for each kilometre. What is this as a speed in kilometres per hour?

- A. 10 km/h B. 6 km/h C. 12 km/h D. 360 km/h E. 8 km/h

Q4. A plane flies 1,800 km in 2 hours 15 minutes. What is its average speed?

- A. 900 km/h B. 800 km/h C. 750 km/h D. 720 km/h E. 850 km/h

Q5. A train is due to arrive at 14:30. It leaves 20 minutes late but makes up 8 minutes on the way. At what time does it arrive?

- A. 14:50 B. 14:42 C. 14:38 D. 14:22 E. 14:58

Q6. The table shows four journeys. Which one takes the longest time?

Journey	Distance	Speed
A	120 km	60 km/h
B	90 km	30 km/h
C	200 km	80 km/h
D	150 km	75 km/h

- A. Journey C
B. Journey A
C. Journey B
D. Journey D
E. They all take the same time

Q7. A bus travels at a steady 54 km/h. What is this speed in metres per second?

- A. 20 m/s B. 54 m/s C. 15 m/s D. 9 m/s E. 30 m/s

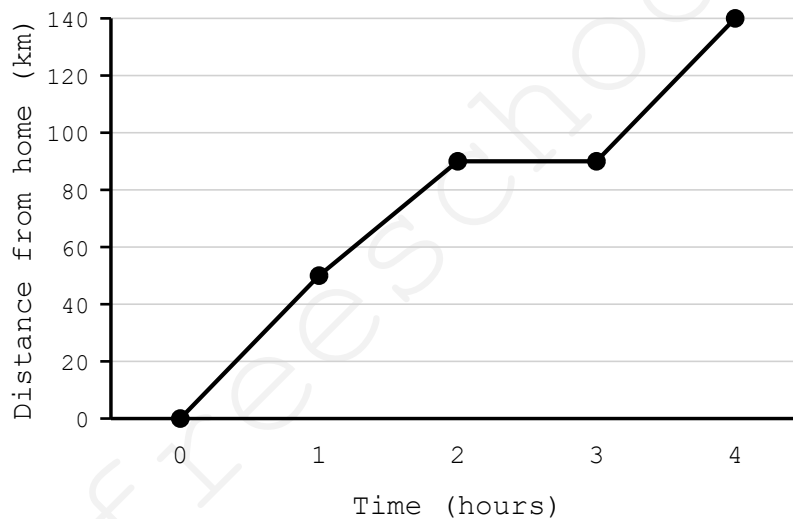
Q8. How far does a train travel in 1 hour 15 minutes at a steady 84 km/h?

- A. 105 km B. 99 km C. 126 km D. 112 km E. 84 km

Q9. A walker plans to cover 15 km at a steady 5 km/h and must finish by 16:00. What is the latest time she can set off?

- A. 13:30 B. 12:00 C. 14:00 D. 13:00 E. 11:00

Q10. The graph shows a car's distance from home. What was happening between 2 and 3 hours?



- A. The car was going faster than before
B. The car was not moving
C. The car was driving home
D. The car was going slower but still moving
E. The car was reversing

Q11. A journey is 297 km and the driver expects to average about 61 km/h. Estimate how long the journey will take.

- A. About 4 hours
- B. About 3 hours
- C. About 6 hours
- D. About 5 hours
- E. About 8 hours

Q12. Two cars are 180 km apart and drive towards each other, one at 50 km/h and the other at 40 km/h. How far apart are they after one hour?

- A. 45 km
- B. 10 km
- C. 80 km
- D. 100 km
- E. 90 km

Q13. A runner covers 200 m in 25 seconds. At the same speed, how far would he run in one minute?

- A. 500 m
- B. 400 m
- C. 480 m
- D. 300 m
- E. 600 m

Q14. According to the timetable, how long does the 08:15 train from Ash take to reach Dale?

Station	Train 1	Train 2
Ash	08:15	09:40
Birch	09:05	10:30
Dale	10:05	11:30

- A. 1 hour 50 minutes
- B. 1 hour 30 minutes
- C. 2 hours 5 minutes
- D. 1 hour 45 minutes
- E. 2 hours 50 minutes

Q15. A journey of 180 km would normally take 3 hours. What average speed is needed to arrive 30 minutes earlier?

- A. 90 km/h B. 60 km/h C. 80 km/h D. 75 km/h E. 72 km/h

myfreeschool