

## Speed, Distance, Time Worksheet.

1. A girl cycles for 3hrs at a speed of 40 km/h. What distance did she travel?
2. A train travels at a speed of 30mph and travel a distance of 240 miles. How long did it take the train to complete it's journey?
3. A car travels a distance of 540km in 6 hours. What speed did it travel at?
4. John is a runner. He runs the 100m sprint in 10.6s. What speed did he travel at? (in m/s)
5. A cyclist travels 20km in 4hrs. What speed did the cyclist cycle at?
6. The distance between two cities is 144km, it takes me 3hours to travel between these cities. What speed did I travel at?
7. A coach travels from the station to the beach, a distance of 576km away in 6hrs. The coach is only allowed to travel at a maximum speed of 90km/h. Did the coach break the speed limit?
8. At the equator, the earth spins a distance of 25,992miles every day. What speed does the Earth spin at in mph?
9. Lauren walks 100m in half a minute. What must her speed have been to travel this distance?
10. A mouse runs a distance of 2metres in 15 seconds. What is it's speed?
11. Jim travelled at a speed of 18km/h for 2 hours. What was the distance covered?
12. Marc was told his dinner would be ready at 18:00. He left his house at 12:00 and travelled in his car at an average speed of 45mph to his mum's house 300 miles away. Did Marc make it home in time for dinner?
13. A whale swims at a constant speed of 8m/s for 17s. What distance did it travel?

14. Callum writes down his jog times for each day.

Mon - 15min    Tue - 10min    Wed - 12min

Thu - 5min    Fri - No jog.

He jogs at a constant speed of 9km/h. Work out the distance he jogs each day.  
On which day did he jog the furthest?

15. How long does it take to drive a distance of 260 miles at a speed of 65mph?

16. How long does it take to travel a distance of 672km at a speed of 96km/h?

17. Carlisle is a distance of 135miles away from Airdrie. If I travelled at a constant speed of 45mph. How long would it take me to get there?

18. A beetle travels at a speed of 9cm/s., it travels a distance of 108cm before it is caught in a jar. How long did the beetle run for?

19. Neil travelled 36km at a speed of 8km/h. Grant travelled 48km at a speed of 10km/h

- a) Whose journey was quickest?
- b) By how many mins?

20. Susie estimated that she can run for hours at a steady rate of 8mph.  
She enters a marathon, a distance of 26miles. How long should it take her to complete the race? Give answer in hours/minutes.

21. Mr Dunn drives 64.8km from work at a speed of 48km/h. Mrs Dunn drives 81.2km from work at a speed of 58km/h. They both leave work at the same time.

- a) Who arrives home first?
- b) How many minutes later is it before the second person gets home?

22. The earth takes one year to go round the sun.

The distance travelled is 584 million miles if there are 365 days in a year, what speed does the earth travel at in miles per day?

Can you work out the speed of the earth in miles per hour?

Speed, Distance, Time Answers.

- 1) 120km
- 2) 8 hours
- 3) 90km/h
- 4) 9.4m/s
- 5) 5km/h
- 6) 48km/h
- 7) Yes, it travelled at 96km/h
- 8) 1083mph
- 9) 3.33m/s
- 10) 0.13m/s
- 11) 36km
- 12) No, he arrived at 18:40
- 13) 136m
- 14) Mon - 2.25km Tue - 1.5km Wed - 1.8km Thu - 0.75km. He travelled furthest on Monday
- 15) 4 hours
- 16) 7 hours
- 17) 3 hours
- 18) 12s
- 19) a) Neil was quickest at 4.5 hours. Grant was 4.8 hours. b) 18 mins
- 20) 3 hours 15 minutes
- 21) a) Mr Dunn. He takes 1.35 hours. Mrs Dunn takes 1.4 hours  
b) 3 minutes
- 22) 1,600,000 miles per day. Which is 66,666.67 mph