Speed, Distance and Time **Answers**

1. What distance does an aeroplane travel, flying at 380mph for twelve hours?

   Time = 12 hours

   Speed = 380mph

   Distance = 12 x 380 = 4560 miles

2. A train travels 918km in 6 hours. What is its average speed?

   Time = 6 hours

   Distance = 918km

   Speed = 918 ÷ 6 = 153km/h

3. How long does it take to drive 570 miles, driving at an average speed of 60mph?

   Distance = 570 miles

   Speed = 60mph

   Time = 570 ÷ 60 = 9.5 hours

4. The ferry left port at 17:30 and sailed at a steady speed of 18mph. How far out to sea is the ferry at 21:00?

   Time = 17:30 until 21:00 = 3 1/2 hours

   Speed = 18mph

   Distance = (3 x 18) + 1/2 of 18 or 54 + 9 = 63 miles

5. A mouse can run at 8mph. How far can it run in 6 minutes?

   Time = 6 minutes (1/10 of 1 hour)

   Speed = 8mph

   Distance =1/10 of 8 miles = 0.8 miles

6. The distance from Inverness to London is approximately 720km. How long does it take to make this journey driving at an average speed of 80km/h?

   Speed = 80km/h

   Distance = 720km

   Time = 720 ÷ 80 = 9 hours

7. The distance from John O'Groats to Dumfries is approximately 350 miles. If it takes you 10 hours to make a return journey, what has been your average speed?

    Distance = 700 miles

    Time = 10 hours

    Speed = 700 ÷ 10 = 70mph

8. Loch Lomond is approximately 39km long. How long would it take a kayaker, paddling at an average speed of 5km/h, to cross the Loch?

    Distance = 39km

    Speed = 5km/h

    Time = 39 ÷ 5 = 7.8 hours

9. The distance from Glasgow to Edinburgh is approximately 75km. If a delivery driver makes the journey there and back twice, at an average speed of 80km/h, what is her total driving time?

    Distance = (75 + 75) x 2 = 300km

    Speed = 80km/h

    Time = 300 ÷ 80 = 3.75 hours

10. The flight time from Glasgow to Delhi, India is approximately 10 hours. If the distance is approximately 7000km, what is the average speed of the plane?

    Time = 10 hours

    Distance = 7000km

    Speed = 7000 ÷ 10 = 700km/h

11. The flight from Edinburgh to Milan, Italy, is approximately 2 hours. If a plane flies at 680km/h, how far is it from Edinburgh to Milan?

    Time = 2 hours

    Speed = 680km/h

    Distance = 2 x 680 = 1360km

12. The Aberdeen to Penzance train covers a distance of approximately 816km at an average speed of 48km/h. How long is this journey?

    Speed = 48km/h

    Distance = 816km

    Time = 816 ÷ 48 = 17 hours