

Speed, Distance and Time Answers

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

Time = 9 hours

Speed = 380mph

Distance = $9 \times 380 = 3420$ miles

2. A train travels 604km in 4 hours. What is its average speed?

Time = 4 hours

Distance = 604km

Speed = $604 \div 4 = 151$ km/h

3. How long does it take to drive 540 miles, driving at an average speed of 60mph?

Speed = 60mph

Distance = 540 miles

Time = $540 \div 60 = 9$ 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 21:30?

Time = 17:30 to 21:30 = 4 hours

Speed = 18mph

Distance = $4 \times 18 = 72$ miles

5. A mouse can run at 8mph. How far can it run in 15 minutes?

Time = 15 minutes (quarter of an hour)

Speed = 8mph

Distance = quarter of 8 = 2 miles

6. The distance from Aberdeen to Glasgow is approximately 240km. How long does it take to make this journey driving at an average speed of 80km/h?

Speed = 80km/h

Distance = 240km

Time = $240 \div 80 = 3$ hours

7. The distance from John O'Groats to Dumfries is approximately 350 miles. If it takes you 5 hours to drive this route, what has been your average speed?

Time = 5 hours

Distance = 350 miles

Speed = $350 \div 5 = 70\text{mph}$

8. Loch Lomond is approximately 39km long. How long would it take an oarsman in a boat, rowing at an average speed of 6km/h, to cross the Loch?

Speed = 6km/h

Distance = 39km

Time = $39 \div 6 = 6.5$ 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 60km/h, what is her total driving time?

Speed = 60 km/h

Distance = $75 + 75 = 150\text{km}$ $150 \times 2 = 300\text{km}$

Time = $300 \div 60 = 5$ hours

10. The flight time from Glasgow to Toronto, Canada is approximately 8 hours. If the distance is approximately 5200km, what is the average speed of the plane?

Time = 8 hours

Distance = 5200km

Speed = $5200 \div 8 = 650\text{km/h}$

11. It takes approximately 8 hours to fly from Edinburgh to Dubai. If the plane travels at 700km/h, how far is it from Edinburgh to Dubai?

Time = 8 hours

Speed = 700km/h

Distance = $8 \times 700 = 5600\text{km}$

The Aberdeen to London train takes approximately 7 hours at an average speed of 91km/h. What is the distance from Aberdeen to London?

Time = 7 hours

Speed = 91km/h

Distance = $7 \times 91 = 637\text{km}$