

Speed, Distance and Time

1. What distance does an aeroplane travel, flying at 400mph for ten hours?

2. A train travels 600km in 4 hours. What is its average speed?

3. How long does it take to drive 500 miles, driving at an average speed of 50mph?

4. A ferry left port at 17:00 and sailed at a steady speed of 20mph. How far out to sea is the ferry at 20:00?

5. A mouse can run at 8mph. How far can it run in 30 minutes?

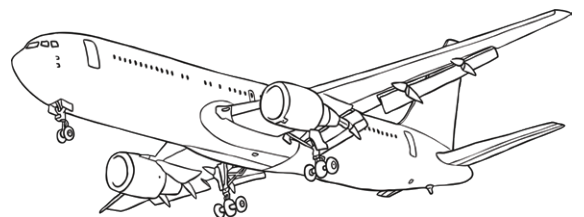
6. The distance from Aberdeen to Glasgow is approximately 240km. How long does it take to make this journey driving at an average speed of 60km/h?

7. Loch Lomond is approximately 39km long. How long would it take a swimmer, swimming at an average speed of 3km/h, to swim the Loch?

8. The distance from Glasgow to Edinburgh is approximately 75km. If a delivery driver makes the journey there and back, at an average speed of 50km/h, what is her total driving time?

9. The flight time from Glasgow to Iceland is approximately 2 hours. If the distance is approximately 1200km, what is the average speed of the plane?

10. The Aberdeen to York train takes approximately 5 hours at an average speed of 72km/h. What is the distance from Aberdeen to York?



Speed, Distance and Time

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

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

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

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?

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

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?

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?

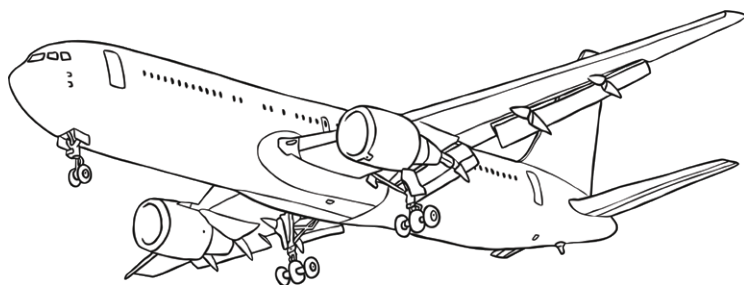
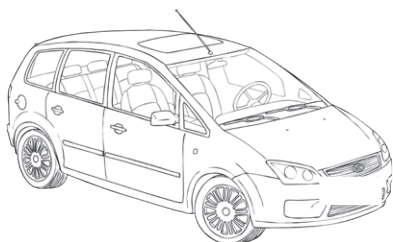
8. Loch Lomond is approximately 39km long. How long would it take an oarsman in a boat, rowing at an average speed of 6km/h, to cross the Loch?

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?

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?

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?

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



Speed, Distance and Time

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

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

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

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

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

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?

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?

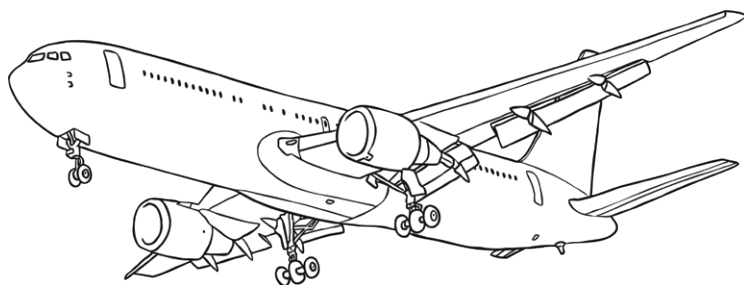
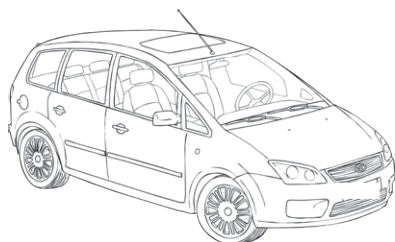
8. Loch Lomond is approximately 39km long. How long would it take a kayaker, paddling at an average speed of 5km/h, to cross the Loch?

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?

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

1. What distance does an aeroplane travel, flying at 400mph for ten hours?

Time = 10 hours

Speed = 400mph

Distance = $10 \times 400 = 4000$ miles

2. A train travels 600km in 4 hours. What is its average speed?

Time = 4 hours

Distance = 600km

Speed = $600 \div 4 = 150$ km/h

3. How long does it take to drive 500 miles, driving at an average speed of 50mph?

Distance = 500 miles

Speed = 50mph

Time = $500 \div 50 = 10$ hours

4. A ferry left port at 17:00 and sailed at a steady speed of 20mph. How far out to sea is the ferry at 21:00?

Time = 17:00 to 21:00 = 3 hours

Speed = 20mph

Distance = $3 \times 20 = 60$ miles

5. A mouse can run at 8mph. How far can it run in 30 minutes?

Time = 30 minutes (half an hour)

Speed = 8mph

Distance = half of 8 = 4 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 60km/h?

Speed = 60km/h

Distance = 240km

Time = $240 \div 60 = 4$ hours

7. Loch Lomond is approximately 39km long. How long would it take a swimmer, swimming at an average speed of 3km/h, to swim the Loch?

Speed = 3km/h

Distance = 39km

Time = $39 \div 3 = 13$ hours

8. The distance from Glasgow to Edinburgh is approximately 75km. If a delivery driver makes the journey there and back, at an average speed of 50km/h, what is her total driving time?

Speed = 50km/h

Distance = $75\text{km} + 75\text{km} = 150\text{km}$

Time = $150 \div 50 = 3$ hours

9. The flight time from Glasgow to Iceland is approximately 2 hours. If the distance is approximately 1200km, what is the average speed of the plane?

Distance = 1200km

Time = 2 hours

Speed = $1200 \div 2 = 600\text{km/h}$

10. The Aberdeen to York train takes approximately 5 hours at an average speed of 72km/h. What is the distance from Aberdeen to York?

Time = 5 hours

Speed = 72km/h

Distance = $5 \times 72 = 360\text{km}$

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

Speed, Distance and Time Answers

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

Time = 12 hours

Speed = 380mph

Distance = $12 \times 380 = 4560$ miles

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

Time = 6 hours

Distance = 918km

Speed = $918 \div 6 = 153$ km/h

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

Distance = 570 miles

Speed = 60mph

Time = $570 \div 60 = 9.5$ 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 = $(3 \times 18) + 1/2 \text{ of } 18 \text{ or } 54 + 9 = 63$ 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 = $720 \div 80 = 9$ 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 = $700 \div 10 = 70\text{mph}$

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 = $39 \div 5 = 7.8$ 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 = $(75 + 75) \times 2 = 300\text{km}$

Speed = 80km/h

Time = $300 \div 80 = 3.75$ 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 = $7000 \div 10 = 700\text{km/h}$

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 = $2 \times 680 = 1360\text{km}$

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 = $816 \div 48 = 17$ hours