Name: _____
Date: _____
Time: _____

[Example] At 4 p.m., Jonathan started travelling at an average speed of 80 km/h towards a city. Paul started his journey towards the same city from the same point 2 h later. When Jonathan reached the city at 8 p.m., Paul was 40 km away from the city.

Find Paul's average speed.

Time taken for Jonathan to reach the city = 4 h

Distance covered by Jonathan = 80 × 4

= 320 km

Distance covered by Paul = 320 – 40

= 280 km

Since Paul started 2 h later, he only travelled for 2 h.

$$\text{Paul's average speed} = \frac{\text{Total distance}}{\text{Total time}}$$

$$= \frac{280}{2} = 140 \text{ km/h}$$

Paul's average speed is 140 km/h.

Name: _____
Date: _____
Time: _____

1. At 6 p.m., Michael started travelling at an average speed of 60 km/h towards a city. Patrick started his journey towards the same city from the same point 2 h later. When Michael reached the city at 11 p.m., Patrick was 60 km away from the city.

Find Patrick's average speed.

Name: _____
Date: _____
Time: _____

2. At 1 p.m., Shannon started travelling at an average speed of 60 km/h towards a town. Richard started his journey towards the same town from the same point 3 h later. When Shannon reached the town at 7 p.m., Richard was 90 km away from the town.

Find Richard's average speed.

Name: _____
Date: _____
Time: _____

3. Andrew left London at 2 p.m. and drove towards a city at an average speed of 75 km/h. An hour later, Bobby started his journey from London towards the same city. When Andrew reached the city at 6 p.m., Bobby was 30 km away from the city.

What was Bobby's average speed?

Name: _____
Date: _____
Time: _____

4. At 8 a.m., Ben started travelling at an average speed of 70 km/h towards a town. Gordon started his journey towards the same town from the same point 30 min later. When Ben reached the town 2 h 30 min later, Gordon was 25 km away from the town.

Find Gordon's average speed.

Name: _____
Date: _____
Time: _____

5. At 1 p.m., Justin started travelling at an average speed of 80 km/h towards a town. Vernon started his journey towards the same town from the same point 30 min later. When Justin reached the town 2 h 30 min later, Vernon was 60 km away from the town.

What was Vernon's average speed?

Name: _____
Date: _____
Time: _____

6. Linda left Tokyo at 5 p.m. and drove towards a city at an average speed of 60 km/h. 2 h later, Nicholas started his journey from Tokyo towards the same city. When Linda reached the city at 11 p.m., Nicholas was 40 km away from the city.

What was Nicholas' average speed?

Name: _____
Date: _____
Time: _____

7. At 6 p.m., Owen started travelling at an average speed of 50 km/h towards a town. Scott started his journey towards the same town from the same point 1 h 30 min later. When Owen reached the town at 10.30 p.m., Scott was 45 km away from the town.

Find Scott's average speed.

Name: _____
Date: _____
Time: _____

8. At 2.30 p.m., Gregory started travelling at an average speed of 90 km/h towards a town. Victoria started her journey towards the same town from the same point 30 min later. When Gregory reached the town 1 h 30 min later, Victoria was 35 km away from the town.

What was Victoria's average speed?

Name: _____
Date: _____
Time: _____

9. Clarice left Kuala Lumpur at 8 p.m. and drove towards a city at an average speed of 100 km/h. An hour later, Winston started his journey from Kuala Lumpur towards the same city. When Clarice reached the city at 10 p.m., Winston was 110 km away from the city.

What was Winston's average speed?

Name: _____
Date: _____
Time: _____

10. At 1.39 p.m., Jason started travelling at an average speed of 85 km/h towards a city. Carlos started his journey towards the same city from the same point 1 h later. When Jason reached the city at 3.39 p.m., Carlos was 90 km away from the city.

What was Carlos' average speed?

Name: _____
Date: _____
Time: _____

11. Alicia left Singapore at 4.30 p.m. and drove towards a city at an average speed of 80 km/h. 2 h later, Brendan started his journey from Singapore towards the same city. When Alicia reached the city at 11.30 p.m., Brendan was 10 km away from the city.

What was Brendan's average speed?

Name: _____
Date: _____
Time: _____

12. At 3.50 p.m., William started driving at an average speed of 75 km/h towards a town. Johnson started his journey towards the same town from the same point 3 h later. When William reached the town 4 h later, Johnson was 190 km away from the town.

What was Johnson's average speed?

Name: _____
Date: _____
Time: _____

13. At 2.20 p.m., Danny started driving at an average speed of 75 km/h towards a city. Marcus started his journey towards the same city from the same point 2 h later. When Danny reached the city 6 h later from the time he started, Marcus was 50 km away from the city.

Find Marcus' average speed.

Name: _____
Date: _____
Time: _____

14. At 4.45 p.m., Bill started driving at an average speed of 85 km/h towards a town. James started his journey towards the same town from the same point 1 h later. When Bill reached the town 2 h later, James was 90 km away from the town.

What was James' average speed?

Name: _____
Date: _____
Time: _____

15. At 8 p.m., Benson started travelling at an average speed of 60 km/h towards a city. Michael started his journey towards the same city from the same point 1 h later. When Benson reached the city at 2 a.m. the next morning, Michael was 60 km away from the city.

What was Michael's average speed?

Name: _____
Date: _____
Time: _____

16. Gary left Shanghai at 9.48 p.m. and drove towards a city at an average speed of 70 km/h. An hour later, Brock started his journey from Shanghai towards the same city. When Gary reached the city at 2.48 a.m. the next morning, Brock was 30 km away from the city.

What was Brock's average speed?

Name: _____
Date: _____
Time: _____

17. At 1 p.m., Jocelyn started driving at an average speed of 90 km/h towards a town. Timothy started his journey towards the same town from the same point 2 h later. When Jocelyn reached the town 4 h later, Timothy was 70 km away from the town.

What was Timothy's average speed?

Name: _____
Date: _____
Time: _____

18. Jean left Milan at 7 p.m. and drove towards a city at an average speed of 100 km/h. An hour later, Carol started her journey from Milan towards the same city. When Jean reached the city at 10 p.m., Carol was 40 km away from the city.

What was Carol's average speed?

Name: _____
Date: _____
Time: _____

19. At 8.50 p.m., Jasper started travelling at an average speed of 80 km/h towards a town. Vicky started her journey towards the same town from the same point 1 h 30 min later. When Jasper reached the town 6 h later, Vicky was 120 km away from the town.

Find Vicky's average speed.