## Match-Up

## Speed, Distance and Time

| 1  | A car travels 136 km in 2 hours. What is its average speed in km/h?  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|
| 2  | The school bus travels 18 km in 45 minutes. What is its average speed in km/h?   |  |  |  |  |  |  |  |
| 3  | A marathon runner runs 40.5 km in 2 hours 15 minutes. What is his average speed in km/h?   |  |  |  |  |  |  |  |
| 4  | A track cyclist takes 40 seconds to complete one 250 m lap of the velodrome. What is her speed in m/s?   |  |  |  |  |  |  |  |
| 5  | A cement mixer travels from Leeds to Manchester in 1 hour 24 minutes, at an average speed of 54 km/h. Work out the distance travelled in km.   |  |  |  |  |  |  |  |
| 6  | A plane travelled with an average speed of 273 km/h for 1 hour 20 minutes. Work out the distance travelled by the plane in km.                 |  |  |  |  |  |  |  |
| 7  | An antelope travels 124 metres in one minute. What is its speed in metres per second to 1 decimal place?                                       |  |  |  |  |  |  |  |
| 8  | Darcy travels for 2 hours 30 minutes at 66 km/h, then for 1 hour 48 minutes at 80 km/h. Work out the total distance Darcy has travelled in km. |  |  |  |  |  |  |  |
| 9  | Fajar set off at 9.40am and drove until 10.55am, travelling a distance of 62.5 km. What is Fajar's average speed in km/h?                      |  |  |  |  |  |  |  |
| 10 | Convert a speed of 63 kilometres per hour into metres per second.  |  |  |  |  |  |  |  |
| 11 | Convert a speed of 18 metres per second into kilometres per hour.  |  |  |  |  |  |  |  |
| 12 | Abby travels at 52 km/h. Katy travels 200 km in 3 hours 24 minutes. What is the difference in their speeds to 1 decimal place?                 |  |  |  |  |  |  |  |

| A | 18 km/h   |  |  |  |  |  |  |
|---|-----------|--|--|--|--|--|--|
| В | 309 km    |  |  |  |  |  |  |
| С | 17.5 m/s  |  |  |  |  |  |  |
| D | 64.8 km/h |  |  |  |  |  |  |
| E | 68 km/h   |  |  |  |  |  |  |
| F | 75.6 km   |  |  |  |  |  |  |
| G | 6.8 km/h  |  |  |  |  |  |  |
| Н | 364 km    |  |  |  |  |  |  |
| I | 24 km/h   |  |  |  |  |  |  |
| J | 2.1 m/s   |  |  |  |  |  |  |
| K | 50 km/h   |  |  |  |  |  |  |
| L | 6.25 m/s  |  |  |  |  |  |  |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|----|----|----|
|   |   |   |   |   |   |   |   |   |    |    |    |