

Speed, Distance Traveled, Time

1. Jose rides his bicycle from his home to school. He travels 6.25 km in 0.550 hour. What is his average speed for the trip?
2. Kevin is warming up for the basketball game. He does three laps around the gym. Each lap is 75.0 metres. It takes Kevin 42.8 seconds to run the three laps.
 - a) What distance did Kevin run?
 - b) What was his average speed?
3. April and Ashleigh run a 100-m race. April finishes the race in 13.25 s and Ashleigh takes 13.50 s. What is the average speed with which April and Ashleigh each run the 100 m?
4. Matt skateboards at 3.25 m/s for 55.0 s. How far did he travel?
5. Edward rollerblades around Kildonan Park. He skates at 7.75 m/s for 12.5 minutes.
 - a) How many seconds was he skating?
 - b) How far did he skate?
6. Edgar travels to the mall at an average speed of 28.0 km/h. The mall is located 8.00 km from Edgar's home. How long in hours does it take Edgar to travel from his home to the mall?
7. A ladybug is crawling across the floor in a straight line at 1.25 cm/s. The ladybug crawls 3.25 m.
 - a) What distance in cm does the ladybug crawl?
 - b) How long does the ladybug take to crawl this distance?
8. You and your family are traveling from Winnipeg to Brandon. The distance from Winnipeg to Brandon is 200 km.
 - a) If you travel at a speed of 105 km/h, how long will it take to travel from Winnipeg to Brandon?

When you get to Brandon, you stop for lunch. This takes one hour. You then travel from Brandon to Regina, a distance of 385 km, in 3.75 hours.

- b) What was your average speed?
- c) How far is it from Winnipeg to Regina?
- d) How long did it take you and your family to travel from Winnipeg to Regina? (Hint: state the total time, including while you were eating.)
- e) What was your average speed for this whole trip from Winnipeg to Regina?