

If necessary, round your answers to 1 decimal digit.

1 a. Nancy travels in an airplane a distance of 1320 km. For one-third of the distance, the airplane flies at a speed of 680 km/h, and for the rest of the distance, it flies at a speed of 920 km/h. How long does the trip take?

2 a. David's airplane trip took 3.6 hours. For one-fourth of that time, the airplane flew at a speed of 780 miles per hour, and for the rest of the time, it flew at a speed of 620 miles per hour. What distance did David travel?

3 a. Mary rides her bike 11.2 km with a constant speed of 16 km/h and another 17 km with a constant speed of 10 km/h. What is her average speed for the total trip?

Name: _____ Date: _____

Answer Key

1 a. The trip takes 1 hours and 36 minutes or 1.6 hours.

2 a. David traveled 2376 miles.

3 a. Her average speed is 11.8 km/h.