Speed and Distance Word Problems

Name: _____ Class: _____

Show your workings.

1. Yesterday I drove 150 minutes at a speed of
    100 miles/h. How many miles did I drive?

2. A bird can fly at a speed of 50 miles/h. If the bird flies for
    90 minutes, what distance will it have flown?

3. I usually walk at a speed of 0.75 miles per 30 minutes.
    How long will it take me to walk from my house to
    the supermarket 1.5 miles down the road?

4. Yesterday I ran 9.6 miles at an average speed of 0.4 miles
    per 5 minutes. How long did it take me to run the 9.6 miles?

5. The distance between 2 cities is 7,200 miles. How long
    will it take a plane that flies at 600 miles/h to travel
    between the 2 cities?

6. The distance between my house and my school is 8 miles and takes
    10 minutes by bus. How fast is the bus?

Answers

Show your workings.

1. Yesterday I drove 150 minutes at a speed of 100 miles/h. How many miles did I drive?

   2.5 h x 100 = 250 miles

2. A bird can fly at a speed of 50 miles/h. If the bird flies for 90 minutes, what distance will it have flown?

   (90 ÷ 60) x 50 = 75 miles

3. I usually walk at a speed of 0.75 miles per 30 minutes. How long will it take me to walk from my house to the supermarket 1.5 miles down the road?

   (1.5 ÷ 0.75) x 30 = 60 minutes = 1 hour

4. Yesterday I ran 9.6 miles at an average speed of 0.4 miles per 5 minutes. How long did it take me to run the 9.6 miles?

   9.6 ÷ (60 ÷ 5 x 0.4) = 2 hours

5. The distance between 2 cities is 7,200 miles. How long will it take a plane that flies at 600 miles/h to travel between the 2 cities?

   7,200 ÷ 600 = 12 hours

6. The distance between my house and my school is 8 miles and takes 10 minutes by bus. How fast is the bus?

   (60 ÷ 10) x 8 = 48 miles/h