

Speed and Distance Word Problems

Name: _____ Class: _____

Show your workings.

1. Yesterday I drove 90 minutes at a speed of 120 miles/h. How many miles did I drive?



2. A jet has a speed of 800 miles/h. To fly from A to B takes 3.5 hours. What is the distance between A and B?

3. How long will it take me to walk from my house to the ATM 4.5 miles down the road at a speed of 1.5 miles per 20 minutes?



4. Yesterday I ran 3 miles at an average speed of 880 yards per 10 minutes. How long did it take me to run the 3 miles?

5. A hot air balloon flies at an average speed of 20 miles/h. The distance between 2 towns is 75 miles. How long will it take the balloon to travel between the 2 towns?



6. Midtown and Downtown are 7 miles apart. It takes a commuter train 12 minutes to travel the distance. How fast is this train?

Answers

Show your workings.

1. Yesterday I drove 90 minutes at a speed of 120 miles/h. How many miles did I drive?

$$1.5 \times 120 = 180 \text{ miles}$$



2. A jet has a speed of 800 miles/h. To fly from A to B takes 3.5 hours. What is the distance between A and B?

$$3.5 \times 800 = 2,800 \text{ miles}$$

3. How long will it take me to walk from my house to the ATM 4.5 miles down the road at a speed of 1.5 miles per 20 minutes?

$$4.5 \div 1.5 \times 20 = 60 \text{ minutes} = 1 \text{ hour}$$



4. Yesterday I ran 3 miles at an average speed of 880 yards per 10 minutes. How long did it take me to run the 3 miles?

$$(3 \times 1,760) \div 880 \times 10 = 60 \text{ minutes} = 1 \text{ hour}$$

5. A hot air balloon flies at an average speed of 20 miles/h. The distance between 2 towns is 75 miles. How long will it take the balloon to travel between the 2 towns?

$$75 \div 20 = 3.75 \times 60 = 225 \text{ minutes} = 3 \text{ hours } 45 \text{ minutes}$$



6. Midtown and Downtown are 7 miles apart. It takes a commuter train 12 minutes to travel the distance. How fast is this train?

$$(60 \div 12) \times 7 = 35 \text{ miles/h}$$