

Name:

Section:

It's a Race

Speed of Light	300,000 km/s
1 Mile	1.6 km

1. In one comic, the Flash runs around the Earth in 5 seconds. The circumference of the Earth is 24,901 miles.
 - a. How fast is the Flash running in km/s ?

 - b. How long would it take light to make this same trip?

2. In a recent X-Men movie, Quicksilver runs around the room to stop a number of bullets from hitting his friends.
 - a. If the bullet travels 10 m in 0.04 s, how fast is it moving in km/hr?

 - b. If Quicksilver was running at 9000 km/s, how long would it take him to cover that same distance?

3. The Flash, Quicksilver, and light have a race. They are racing **3 times** around the earth.

a. How long does it take light to complete the race?

b. The flash finished the race in 15 seconds, how fast was he running in mph?

c. Assume Quicksilver runs at 28,800,000 km/hr. How long does it take him to finish the race?