

# Calculating Speed Retake Study Guide

1. If a car drove at a speed of 24 miles per hour for a distance of 30 miles, how long did the car drive?

2. A soccer player kicked a ball a total of 40 yards. The ball took 4.9 seconds to get there. Then the second payer kicked the ball 45 yards. The ball's travel time was 5.9 seconds. What was the average speed of the ball for both kicks together?

3. If a bowling ball travels down an alley at 23 feet per second and the alley is 50 feet long, how long did it take for the ball to hit the pins?

4. Match the following objects to the speed that they might be measure in?

Choose one:

\_\_\_\_\_ Ant  
\_\_\_\_\_ Squirrel  
\_\_\_\_\_ Deer  
\_\_\_\_\_ Car  
\_\_\_\_\_ Jet Air Plane  
\_\_\_\_\_ Light

a. Miles per hour  
b. Feet per second  
c. Miles per second  
d. Inches per minute

5. Fred walks for 4 miles at a speed of 10 miles per hour. He stops and has a coffee at the coffee shop for 1 hour and then walks back home at a speed of 8 miles per hour. What is his average speed for the entire trip including his coffee break?

6. Gordo was hungry for some food. He left his house and headed for Taco Bell. He drove for 15 minutes at 30 miles per hour. He was in the drive through for 8 minutes and then he headed back home. He drove home at a speed of 25 miles per hour for 17 minutes. What was his average speed for the entire trip?

**7. Larry was told by his mom to mow the lawn. The lawn mower will move at a speed of 8 miles per hour. If Larry has 9 miles of lawn to mow, how long will it take him to mow the lawn?**

**8. Max decided to sew himself a new blanket. The sewing machine will sew at a speed of 45 inches per minute. If Max has to sew a total of 735 inches, how long will it take him to sew his blanket?**

**9. The Smiths are moving across town. After loading the truck with their furniture they headed for their new home. The new home was 43 miles away and they kept the speedometer at 50 miles per hour the whole way there. After 2 hours of unloading they drove back to their old house at a speed of 65 miles per hour. How long did it take for the Smith's to move across town?**

**10. The US Navy has hired you to calculate how fast their new submarine can go. The submarine left Hawaii at 9:00 AM and arrived in Los Angeles harbor at 7:00 PM. The total distance the submarine traveled was 1597 miles. What was the average speed of the submarine?**

**11. The American Ambulance company wants to increase its turnaround time for picking up injured people, delivering them to the hospital, and returning to their office. On their first call, the ambulance left the office and drove 1.3 miles per minute for a total of 32 minutes to get to their first stop. It took them 14 minutes to load the patient into the ambulance. They then left for the hospital. The drive to the hospital took 23 minutes at a speed of 1.1 miles per minute. What was the average speed for the entire trip of the ambulance?**