

Practice Problems

Name _____

- Mr. Sapone superglues you to a lane at a bowling alley. He throws a bowling ball at you and it takes 2 seconds for it to roll 60 feet down the lane. Calculate its speed.
- A pitcher's mound is 18.44 meters from home plate. If Mr. Sapone throws a wild pitch that hits you in the face 0.4 seconds after he releases it, how fast was it thrown?
- A great white shark swims 150 feet in 5 seconds before it bites you. What is its speed?
- A Car travels 240 miles in 6 hours before running you over. What was its average speed for the trip?
- If Mr. Sapone threw you out of an airplane without a parachute, and that plane traveled 2,500 miles in 5 hours, what was its average speed?
- Mr. Sapone is trying to burn you with a magnifying glass and solar energy. It takes light 8 minutes to reach us from the sun. If the sun is 93,000,000 miles away on average, calculate the speed of light.
- Mr. Sapone is in s car traveling 60ft/s. If you are 235 ft away, how long before he runs you over?
- A car has a constant speed of 80 kilometers per hour. How long would it take to travel 430 kilometers?
- An object is drifting in space at a speed of 1200 centimeters per second. How long will it take for it to drift 500 meters
- A student briskly walks at a speed of 2.2m/s down a hallway for 9 seconds to get to class on time. How far did the student walk.
- A student sneezes and forgets to cover her mouth. The droplets from the sneeze travel at a speed of 55ft/s for a time of 0.3 seconds. How far did the droplets travel.
- If Jesus walked from Nazareth to Jerusalem at a pace of 5 kilometers per hour and it took him a total walking time of 1,260 minutes, how far is Jerusalem from Nazareth?
- Goldie Goldfish, a speed swimmer, loves to race around the park's pond, which is 0.5 miles around. If she can swim 20 laps around the track in 2 hours, what is her average speed?
- It takes Stu, a slimy slug, 20 minutes to travel from his favorite bush to the local trash can (a trip of 30 meters), how far can he travel in 1 hour (60 minutes)?
- At exactly 2:00 pm, Speedy the Snail crawls onto a meter stick at the 10 cm mark. If he reaches the 65 cm mark at exactly 2:10 pm, what is his speed?
- If it takes Leaping Louie 5 minutes to jump 3 blocks, how long will it take for him to jump 15 blocks?
- You and a friend each walk 8.0 km. You walk at 6.4 km/h; your friend walks 8.1 km/h. How long will your friend wait for you at the end of the walk?
- A hungry cheetah is sprinting towards you. What is the average speed of a cheetah that sprints 100m in 4 seconds? Convert this to mi/hr.
- If you shout into the Grand Canyon, your voice travels at the speed of sound (340 m/s) to the bottom of the canyon and back, and you hear an echo. How deep is the Grand Canyon at a spot where you can hear your echo 5.2 seconds after you shout?
- A scorpion travels 5 meters across the floor at a speed of 1 m/s. How long before it stings you?
- Bill and Amy want to ride their bikes from their neighborhood to school which is 14.4 kilometers away. It takes Amy 40 minutes to arrive at school. Bill arrives 20 minutes after Amy. How much faster (in meters/second) is Amy's average speed for the entire trip?