How Fast Is Your Car?

Lab Activity

Allow each of the three cars to travel down the track. Time each car as it travels down the track. Record the length of the track and the time for each car to travel the distance of the track. Draw a bar graph comparing the speeds of each car.

Formulas Needed:
Speed = Distance Traveled Divided by Time Traveled

How Fast is your Car?

First Run:
Length of Ramp:_____
Time of Travel in Seconds:_____
Speed of cars:_____

Second Run:
Length of Ramp:_____
Time of Travel in Seconds:_____
Speed of Cars:_____

Third Run:
Length of Ramp:_____
Time of Travel in Seconds:_____
Speed of cars:_____

How Fast is Your Car?

Graph the speed of each car using a Bar Graph!

Questions:

What car had the greatest speed?_____

What car had the slowest speed?_____

What conclusion can be drawn about the weight of a car and it's speed?_____

Review Sheet

Name:_____
Date:_____

Solve the following problems using the formula Speed = distance divided by time.

1. A car travels 400 miles in 8 hours. What is the speed?
2. A car travels 600 miles in 15 hours. What is the average speed?
3. A truck travels 400 miles in 10 hours. What is the average speed?
4. A car travels 456 miles in 12 hours. What is the average speed?
5. A car travels 55 miles per hour for 6 hours. How far did the truck travel?
6. A car travels 23 miles per hour for 9 hours. How far did the truck travel?
7. A plane travels 450 miles per hour for 6 hours. How far did the plane travel?
8. A plane travels 458 miles per hour for 8 hours. How far did the plane travel?
9. A car traveled 60 miles per hour for 9 hours . How far did the car travel?
10. A car traveled 83 miles per hour for 5 hours. How far did the car travel?