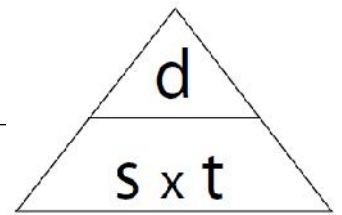


Name _____

Science

Class _____

Date _____



Homework 3-5: Speed and Motion

Use the triangle to help you remember the equations.

Cover the quantity you want to find and the triangle will show you how to work it out.

1. A car took 20 minutes to travel ten miles. What was its average speed?
2. How long would it take a car to travel 20 miles if its average speed is 60 mph?
3. If a car is travelling at 50 mph how long would it take for the car to travel 12.5 miles?
4. A car travels at 45 mph for 4 hours. How far has it travelled?
5. If a car travels at 15 mph for 20 minutes, how far has it travelled?
6. A motor bike was travelling in heavy traffic at an average speed of 24 mph. How far had it travelled after 10 minutes?
7. A car took 9 minutes to travel 3 miles. How fast was it travelling?
8. Town A is 10 miles away.
Town B is 15 miles away.
Town C is 20 miles away.
If a car travels at an average of 35 mph, which town or towns could the car visit in 2 hours?
9. How long would it take a car to travel 24 miles if it was averaging 45 mph?