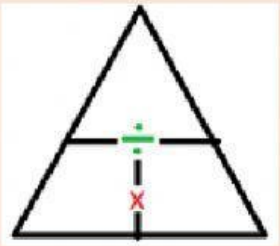
NAME:_____ NAME:_____

SPEED CALCULATIONS

Speed can be calculated using the equation: SPEED = DISTANCE / TIME.

The unit of measurement for speed depends on the units for distance and time used.

Complete the triangle to the right using S, D and T.
(The first line for each answer is for the correct EQUATION).



1a. Work out the speed of a car travelling 100 meters in 10 seconds.

Speed = _____ / _____

= _____ m / _____ s

= _____ m /s

b. Work out the speed of a horse travelling 700 kilometers in 35 hours.

Speed = _____ / _____

= _____ km / _____ h

= _____ km /h

c. Calculate the speed of a giraffe travelling 70 miles in 2 hours.

Speed = _____ / _____

= _____ m / _____ h

= _____ mph

2a. How far (***distance***) does a truck travel if it is travelling at 20 meters per second for 30 seconds?

Distance = _____ X _____

= _____ m/s X _____ s

= _____ m

b. How far (***distance***) does a Jet plane travel if it is travelling at 550 miles per hour for 12 hours?

Distance = _____ X _____

= _____ mph X _____ h

= _____ miles

c. How far (***distance***) does a boy travel if he is moving at 12 km per hour for 6 hours?

Distance = _____ X _____

= _____ km/h X _____ h

= _____ km

3a. How long (***time***) does it take a cat to travel if it runs 20 meters at 5 meters per second?

Time = _____ / _____

= _____m / _____ m/s

= _____ s

b. How long (***time***) does it take a delivery van to travel if it drives 45 meters at 9 meters per second?

Time = _____ / _____

= _____m / _____ m/s

= _____ s

c. How long (***time***) does it take a pizza delivery guy to travel if he 60 miles at 15 miles per hour?

Time = _____ / _____

= _____miles / _____ h

= _____ h