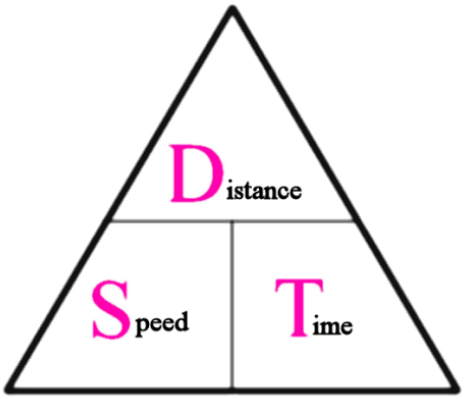
Name _____ Per _____

Mrs. Doolan/Math6

Distance = Speed · Time Notes & Models

To solve D= s · t problems, use the following pyramid graphic:



1. _____ the part you are looking for.

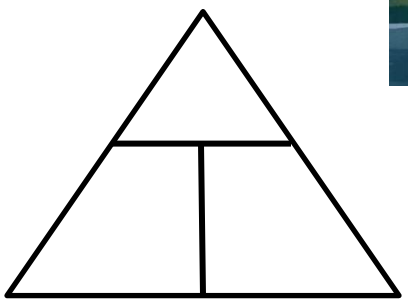
2. _____ the remaining two parts.

3. If the two known parts are beside each other (Rate and Time), then _____.

4. If the two known parts are on top of each other, then _____.

Example # 1: Fred and Wilma Flintstone are going on a vacation to Stonehedge—(get it??). If the distance from Bedrock to Stonehedge is 320 miles and they travel 15 miles per hour, how long will it take them to get there?

1. Fill in the pyramid to the right:



2. Ask: what are you looking for?

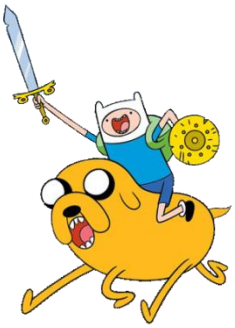
3. Solve:

   a. write the equation:

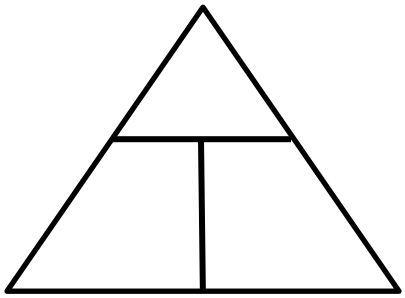
   b. substitute in your known values:

   c. solve and LABEL YOUR ANSWER:

Example # 2: Oh, no, the Ice King captured Princess Bubblegum yet again! Jake the dog and Finn the human had to travel 21.5 miles per hour for 8 hours to get to the Ice Palace in the Kingdom to rescue Princess Bubblegum. How far away is the the Ice Palace?



1. Fill in the pyramid to the right:



2. Ask: what are you looking for?

3. Solve:

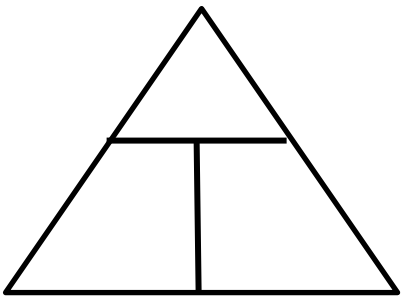
    a. write the equation:

    b. substitute in your known values

    c. solve and LABEL YOUR ANSWER

Example # 3: Phineas and Ferb construct a 6,545 foot long roller coaster in their back yard. If it takes 5.5 minutes to complete the ride, what is the speed of the coaster?

1. Fill in the pyramid to the right:



2. Ask: what are you looking for?

3. Solve:

    a. write the equation:

    b. substitute in your known values

    c. solve and LABEL YOUR ANSWER