**GUIDED PROBLEM SOLVING**

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| GP1) The sailboat traveled a total of ½ mile in ¼ hour.   1. Write an equation that represents the relationship between the total miles traveled, y, in x hours. 2. Use the equation to determine how long it will take the boat to travel 1 mile. 3. Use a constant of proportionality (unit rate) to determine how long it will take the sailboat to travel 1 mile. |
| GP2) Thelma drove 140 miles in 1 ¾ hours.   1. Write an equation that represents the relationship between the total miles driven, y, in x hours. 2. Use the equation to determine how long it will take Thelma to drive an additional 100 miles. 3. Draw a double number line showing the miles driven for up to 5 hours. |
| GP3) It took one scholar 30 minutes to read of the assignment.   1. Write an equation that represents the relationship between the amount of the assignment read, y, in x hours. 2. Use the equation to determine how long it will take the scholar to read the entire assignment. 3. Use a constant of proportionality (unit rate) to determine how long it will take the scholar to complete the assignment. |