Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

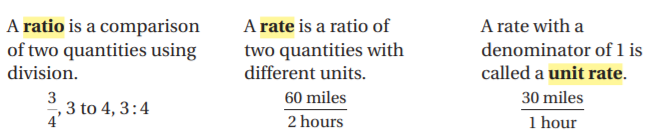
**5.0A Complex Fractions\_Classwork**

*Objective: find ratios, rates, and unit rates involving ratios of fractions. CC.SS.7.RP.1 and RP.3*

*HW: 5.0A worksheet*

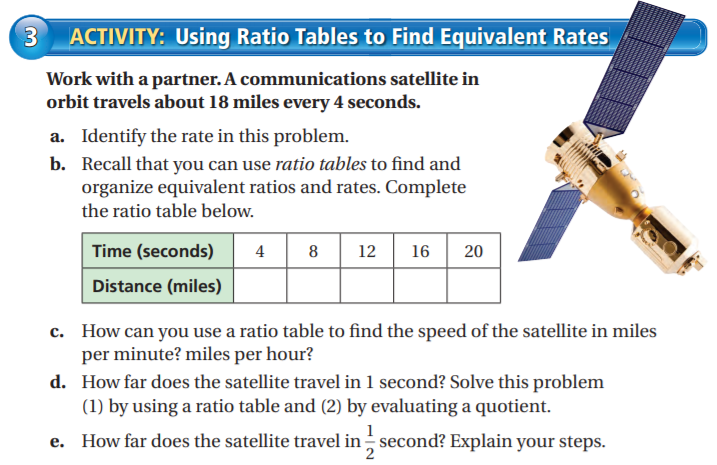
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| --- | --- | --- | --- | --- | --- | --- |
| ***REVIEW***   |  |  |  | | --- | --- | --- | | 1. Convert the measurement: 2. 30 min = \_\_\_\_\_\_\_ hr 3. 4 hr = \_\_\_\_\_\_\_\_\_\_min 4. 15 sec = \_\_\_\_\_\_\_ min 5. 60 hr = \_\_\_\_\_\_\_\_ days 6. 3 days = \_\_\_\_\_\_\_ hr 7. 1 wk = \_\_\_\_\_\_\_\_ hr | 1. ***Are the fractions equivalent? Explain.*** | 1. ***Solve the equation.*** | | 1. ***Solve the equation*** | 1. ***Solve the equation*** | 1. ***Solve the equation.*** | |

|  |  |  |
| --- | --- | --- |
| REVIEW:  ***Simplifying expressions that contain fractions.***  *Show how you can rewrite each expression as division problem. Then simplify.*   |  |  | | --- | --- | |  |  | |



**CRITICAL THINKING PROBLEM:**

A communications satellite in orbit travels about 18 miles every 4 seconds. You can use the ratio table below to find and organize equivalent ratios and rates. Complete the ratio table below.



1. How far does the satellite travel in 1 second?
2. How can you use a ratio table to find the speed of the satellite in miles per minute?
3. How can you use a ratio table to find the speed of the satellite in miles per hour?
4. How far does the satellite travel in ½ second?