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

**5.5A Proportional Relationships\_Classwork**

*Objective: interpret the slopes of lines as rates. CC.SS.7.RP.2b*

*HW: 5.5A BIM pg 191\_#32-37, #39-43 (from section 5.4)*

For each **proportional relationship** below:

1. Make a table
2. Draw the graph of the proportional relationship between the two quantities

(Do not forget to label the x- & y-axis or use equal intervals)

1. Describe how the unit rate is represented on the graph (**interpret the slope**)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. An Elm tree grows 8 inches each year.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | x | 0 | 1 | 2 | 3 | 4 | 5 | | y |  |  |  |  |  |  |     Interpret the slope: | 2. Davis adds $3.00 to his savings account each week.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | x | 0 | 1 | 2 | 3 | 4 | 5 | | y |  |  |  |  |  |  |     Interpret the slope: |
| 3. Bananas are $2.40 per pound   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | x | 0 | 1 | 2 | 3 | 4 | 5 | | y |  |  |  |  |  |  |     Interpret the slope: | 4. Lunches in the cafeteria are $2.25 each.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | x | 0 | 1 | 2 | 3 | 4 | 5 | | y |  |  |  |  |  |  |     Interpret the slope: |
| 5. The dry cleaners charges $13.00 to clean and  press two jackets.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | x | 0 | 1 | 2 | 3 | 4 | 5 | | y |  |  | $13 |  |  |  |     Interpret the slope: | 6. Five Gala apples cost $2.00.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | x | 0 | 1 | 2 | 3 | 4 | 5 | | y |  |  |  |  |  | 2.00 |     Interpret the slope: |
| 7. On Taco Tuesday, 4 tacos cost $6.00.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | x | 0 | 1 | 2 | 3 | 4 | 5 | | y |  |  |  |  | 6.00 |  |     Interpret the slope: | 8. Create your own proportional relationship  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | x | 0 | 1 | 2 | 3 | 4 | 5 | | y |  |  |  |  |  |  |     Interpret the slope: |