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:  |