Multiple Representation Notes

Christmas Sugar Cookies

•Mrs. Daniels is planning to bake homemade sugar cookies with her grandchildren tomorrow and is checking her supplies. They will roll out the dough and use Christmas cookie cutters to shape the cookies. Mrs. Daniels’ recipe requires 3 eggs and will make 2 dozen sugar cookies.

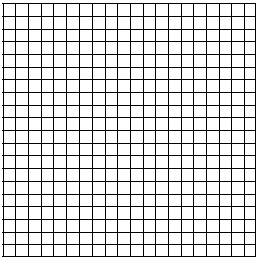
•Complete the following chart relating the number of eggs, x, and the number of sugar cookies, y, for this recipe.

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # of eggs, **x** | 3 | 1 |  |  | 4 |
| # of sugar cookies, **y** |  |  | 16 | 40 |  |

* Write the two different rates *in words* that could describe this relationship, then identify ONE of the two different unit rates (actual values) that describe this relationship.
* Graph the data.

y



x

Use ½ for the x scale & 6 for the y scale; each line is ½ .

Is this a proportion? \_\_\_\_\_\_

(Why or why not? Prove it.)