**Is It Proportional?** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fill in the column on the right. Include examples, if possible.

|  |  |
| --- | --- |
| **Representation** | **How can you tell if the representation indicates a proportional relationship?** |
| Two ratios |  |
| Verbal description |  |
| Equation |  |
| Table of values |  |
| Graph |  |

**Is It Proportional? (KEY)**

Fill in the column on the right. Include examples, if possible.

|  |  |
| --- | --- |
| **Representation** | **How can you tell if the representation indicates a proportional relationship?** |
| Two ratios | *Two ratios form a proportion if they reduce to the same fraction or if the cross-products are equal.* |
| Verbal description | *A verbal description represents a proportional relationship if it can be translated into a statement of equality of two ratios.* |
| Equation | *An equation represents a proportional relationship if it is in the form y = kx, where k is the constant of proportionality.* |
| Table of values | *A table of values represents a proportional relationship if the ratios of the x-values to their corresponding y-values are consistent.* |
| Graph | *A graph represents a proportional relationship if the graph is a straight line that crosses through the origin.* |