

Unit 4 - Vocabulary

| Term | Definition |
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| Constant of proportionality | The constant k in a direct variation equation; it is the ratio of $\frac{y}{x}$, or of $\frac{\text{dependent variable}}{\text{independent variable}}$. It is the same as unit rate. |
| Dependent Variable | The "output" or y value, which "depends" on the input (x value/independent variable) |
| Direct Proportion (Direct Variation) | A relationship between two variables, x (independent) and y (dependent) that can be written as $y=kx$, where $k \neq 0$ |
| Equation | A mathematical sentence containing an equal sign, showing two equivalent values |
| Independent Variable | The "input" or x value, which determines the "output" or y value/dependent variable |
| Inequality | A statement showing that two values are NOT equal, using one of the following signs: $>$, $<$, \geq , \leq or \neq |
| Inverse Operation | Opposite operations that "undo" each other |
| Variable | A symbol, usually a letter, that represents a number |

Unit 4 – Vocabulary – You Try

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