Vocabulary: Direct and Inverse Variation



**Vocabulary**

* Constant of proportionality – the ratio of two variables in a direct variation, or the product of two variables in an inverse variation.
	+ This is also known as the *constant of variation*.
	+ The constant of proportionality is typically represented by the variable *k*.
* Direct variation – a relationship between two variables in which their ratio remains constant.
* In the direct variation *y* = *kx*,  = *k*, and *k* ≠ 0.
* Two quantities that vary directly are *directly proportional.*
* Inverse variation – a relationship between two variables in which their product remains constant.
	+ In the inverse variation *y* = , *xy* = *k*,and *k* ≠ 0.
	+ Two quantities that vary inversely are *inversely proportional*.