Inverse Proportion

Inverse proportion is when one value increases by a certain amount and the other value decreases by the same amount.

Inverse Proportion (Example)

Example 1	Example 2
Workers to time taken.	Animals to the number of days the food will last.
The more the workers, the less the time will be taken to complete the task	The more the animals, the less the number of days the food lasts.

Inverse Proportion (Formula)

$$y = \frac{k}{x}$$

k is a constant

Inverse Proportion (Videos)

Video 1

Link: https://www.youtube.com/watch?v=zH-aN0nxI7s&t=190s

By: Fuse School

Video 2

Link: https://www.youtube.com/watch?v=uZ6l-loSdRs

By: Corbett Maths

Direct Proportion

Direct Proportion is when both values increase at the same rate.

Direst Proportion

Example 1:

The cost of the vegetables is directly proportional to weight.

The more the weight of the vegetables, the more they will cost.

Example 2:

The number of pens is directly proportional to the price.

The more the number of pens, the more they cost.

Direct Proportion (Formula)

$$y = kx$$

k is a constant

Direct Proportion (Videos)

Video 1

Link: https://www.youtube.com/watch?v=kcOwC7uqJNE

By: Corbett Maths

Video 2

Link: https://www.youtube.com/watch?v=gTPKKlIQAE8

By: MME (Maths Made Easy)