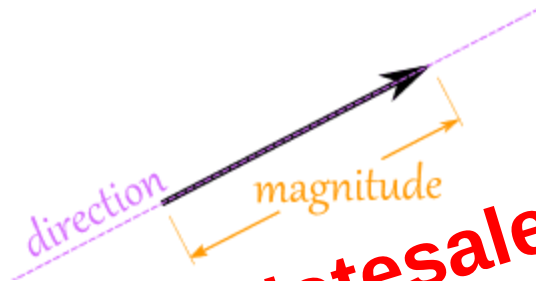


# Vectors

This is a vector:



A vector has **magnitude** (size) and **direction**:

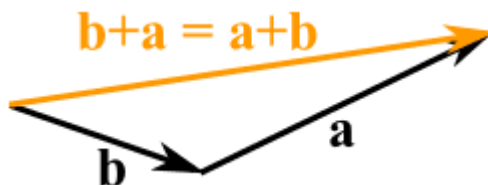


The length of the line shows its magnitude and the arrowhead points in the direction.

We can add two vectors by joining them head-to-tail:



And it doesn't matter which order we add them, we get the same result:



Example: A plane is flying along, pointing North, but there is a wind coming from the North-West.