



Physical Quantities

Physics is all about the study of measurements or...

Physical Quantities

SCALARS

measure

VECTORS

measure

ONLY

AND

MOTION (Kinematics)

Motion is one of the most IMPORTANT physical quantities in the universe and there are SEVERAL things that we can measure about motion

HOW FAR? HOW LONG? HOW FAST? IS THAT RATE CHANGING?

DISTANCE

How _____ an object

has _____

Units:

DISPLACEMENT Δx

How _____ an object from

where it _____

(The change in an object's position)

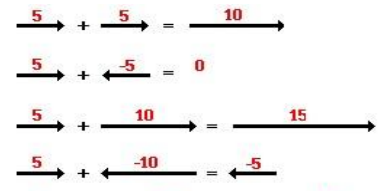
Units:

How are vectors represented?

• They can be _____ represented by a _____

• The _____ of the arrow represents the _____.

• The _____ of the arrow represents the _____.



1D Vector Addition

• ONE DIMENSIONAL Vectors can be _____ as _____

based on their _____

• The _____ or product of two or more vectors is called a _____.

