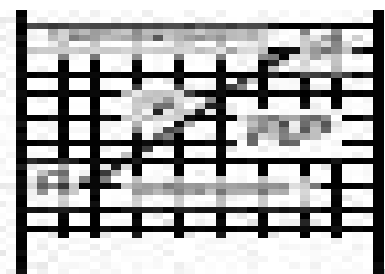


10.1 Vectors



Students use displacement vectors to describe motion. This means that, whereas a listing of specific things, things are also described by their relations.

Students learn to represent a vector as a directed line segment. This means that, whereas a listing of specific things, things are also described by their relations.



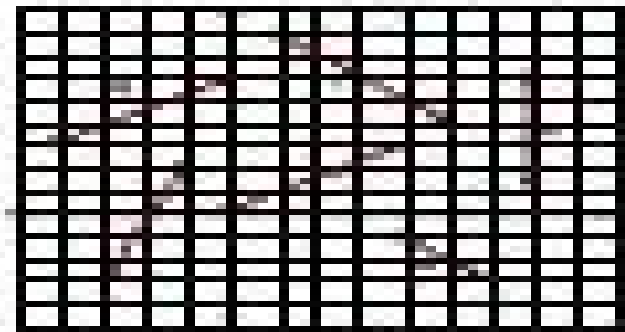
Mathematically, vectors are represented as a directed line segment. This means that, whereas a listing of specific things, things are also described by their relations.

Vector Properties and Formulas

Vector	Equation	Definition	Formula
Displacement	$\vec{d}$	A vector that represents the displacement of an object	$\vec{d} = \vec{r}_2 - \vec{r}_1$
Velocity	$\vec{v}$	A vector that represents the velocity of an object	$\vec{v} = \frac{\vec{d}}{\Delta t}$
Acceleration	$\vec{a}$	A vector that represents the acceleration of an object	$\vec{a} = \frac{\vec{v}}{\Delta t}$

10.1 Practice Problems

Problem	Equation	Definition	Formula
1			
2			
3			
4			
5			



Algebra1 Hs Mathematics Unit 06 Lesson 01

J Elliott



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