Cornell Notes **57**	Topic/Objective: Vectors	Name:
		Class/Period:
		Date:

Essential Question: What are the practical applications of modeling physical and kinematic information?

Questions:	Notes:
	Vectors are scale model arrow representations.
	Vectors have magnitude (size) and _____.
	Magnitude without direction is called a _____.
	Give examples of direction.

Summary:

Questions:	Notes:
	SCALAR VECTOR
	The _____ is one vector that represents the addition of two or
	more vectors. What is the resultant displacement if you add 2 m east to 3 m east?
	Head to Tail Vector Addition

Summary:

Questions:	Notes: Draw a head to tail vector diagram showing the addition of
	10 m north + 5 m south. What is the resultant displacement?
	What is the resultant of 3 m + 4 m?
	Pythagorean Theorem

Summary:

Questions:	Notes: What is the resultant magnitude of 3 m east + 4 m north?
	How about the direction?
	Draw a to scale head to tail diagram representing this problem.
	What are some real world applications of vector addition?

Summary:

Questions:	Notes: A boat heads west across a river at 10 m/s. The current pushes the boat
	south at 5 m/s. What is the resultant speed of the boat?
	How far does the boat travel in 30 s?
	A person walks 40 m to the east and then walks 60 m to the south. What is
	the magnitude of the resultant displacement?

Summary:

Questions:	Notes:

Summary:

Questions:	Notes:

Summary:

Questions:	Notes:

Summary: