










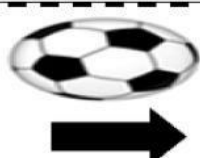
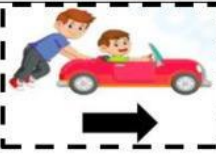





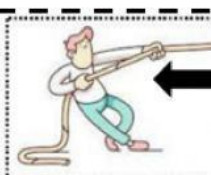


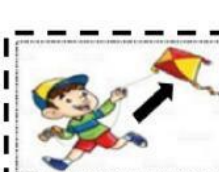
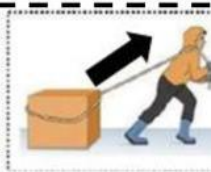



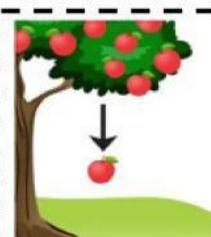

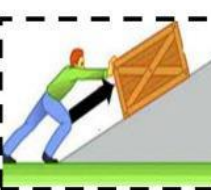


MAGNITUDE	DIRECTION/SENSE
<p>Intensity of a push or pull you apply to something.</p> 	<p>DIRECTION of a force indicates the line or orientation (horizontal, vertical or inclined).</p>  <p>SENSE indicates that the force is towards: down, up, right, or left.</p> 

Based on the information above, observe the following images and determine the direction and sense of each vector.

	DIRECTION: _____ SENSE: _____		DIRECTION: _____ SENSE: _____
	DIRECTION: _____ SENSE: _____		DIRECTION: _____ SENSE: _____
	DIRECTION: _____ SENSE: _____		DIRECTION: _____ SENSE: _____
	DIRECTION: _____ SENSE: _____		DIRECTION: _____ SENSE: _____
	DIRECTION: _____ SENSE: _____		DIRECTION: _____ SENSE: _____
	DIRECTION: _____ SENSE: _____		DIRECTION: _____ SENSE: _____

	<p>DIRECTION: _____</p> <p>SENSE: _____</p>		<p>DIRECTION: _____</p> <p>SENSE: _____</p>
	<p>DIRECTION: _____</p> <p>SENSE: _____</p>		<p>DIRECTION: _____</p> <p>SENSE: _____</p>
	<p>DIRECTION: _____</p> <p>SENSE: _____</p>		<p>DIRECTION: _____</p> <p>SENSE: _____</p>
	<p>DIRECTION: _____</p> <p>SENSE: _____</p>		<p>DIRECTION: _____</p> <p>SENSE: _____</p>
	<p>DIRECTION: _____</p> <p>SENSE: _____</p>		<p>DIRECTION: _____</p> <p>SENSE: _____</p>
	<p>DIRECTION: _____</p> <p>SENSE: _____</p>		<p>DIRECTION: _____</p> <p>SENSE: _____</p>
	<p>DIRECTION: _____</p> <p>SENSE: _____</p>		<p>DIRECTION: _____</p> <p>SENSE: _____</p>

REMEMBER: The units of MAGNITUDE is the Newton (N)



More Magnitude



Less Magnitude

Observe the vectors and select the corresponding magnitude. Then read the statements and select the ones that describe the vectors.

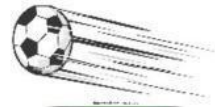
	<p>Both vectors have the same direction.</p> <p>Both vectors have different direction.</p> <p>Both vectors have the same sense.</p> <p>Both vectors have different sense.</p>
	<p>Both vectors have the same direction.</p> <p>Both vectors have different direction.</p> <p>Both vectors have the same sense.</p> <p>Both vectors have different sense.</p>
	<p>Both vectors have the same direction.</p> <p>Both vectors have different direction.</p> <p>Both vectors have the same sense.</p> <p>Both vectors have different sense.</p>
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	<p>Both vectors have the same direction.</p> <p>Both vectors have different direction.</p> <p>Both vectors have the same sense.</p> <p>Both vectors have different sense.</p>
	<p>Both vectors have the same direction.</p> <p>Both vectors have different direction.</p> <p>Both vectors have the same sense.</p> <p>Both vectors have different sense.</p>

Effects of Force

Force can change the shape and size of an object



Force can change the speed of a moving object



Force can move a stationary object



Force can change the direction of a moving object



Force can stop a moving object



Recognize the effect of the force that each image represents