
$\qquad$
Today I can...(check all that you are confident you understand)
$\square$ Describe a vector.
$\square$ Determine the magnitude of a vector using a scale.
$\square$ Determine the direction of a vector using a protractor.
$\square$ Draw a vector to scale and in the correct direction.
$\square$ Use a resultant vector to describe overall displacement.

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Today I can...(check all that you are confident you understand)
$\square$ Move a vector by maintaining its magnitude and direction.
$\square$ Add two vectors together using head-to-tail method.

- Understand what happens to a vector if it becomes negative.
$\square$ Subtract vectors using head-to-tail method.
$\square$ Solve for resultants of vectors that are at right angles to each other: using $\qquad$ .
$\square$ Describe a vector using its x and y components.
$\square$ Make observations that allow for comparisons between two vectors.

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| Describe the two vectors: <br> (Label the information that you <br> are comparing in this column.) |  |  |
| :--- | :--- | :--- |
|  |  |  |

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Draw the overall resultant from the following set of directions. Explain how you used the instructions to come up with the resultant. Solve for the magnitude of the resultant.


Starting at the office (star), you walk north 11 m towards Mr. Lundeen's room. Then you walk east 3 m to the media center. You walk back west 3 m to the hallway, then 8 m south to the physics hallway, 7 m east to physics, 2 m east to the math hallway, and then 6 m north to Mr. Dostal's room. What would be the magnitude of your overall displacement (resultant)?


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