

Interpret Net Force and Acceleration: Practice Independently



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

A simplified motion model

For an object of constant mass, net force $F = ma$. Force is measured in newtons, mass in kilograms and acceleration in meters per second squared. Net force, not just one force, determines acceleration.

1. Two horizontal forces are 10 N right and 6 N left. Find net force.

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2. What is acceleration when net force is zero?
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