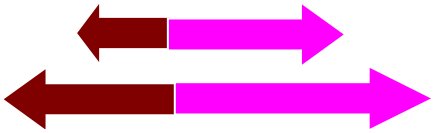
Name: _____ Date: _____ Period: _____

How do forces affect the motion of an object?
How do Newton's Laws of Motion allow us to make predictions and draw conclusions dealing with the motion of an object?

Force and Acceleration

- An _____ force is required to change an object's velocity.
- The acceleration of an object depends on the _____ acting on the object.



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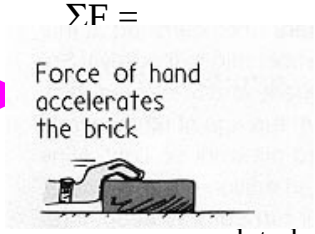
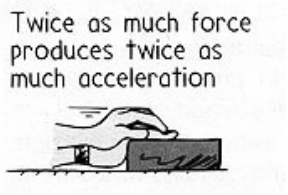
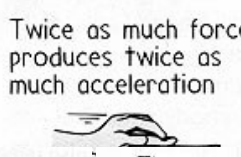


- Force and Acceleration are _____related.

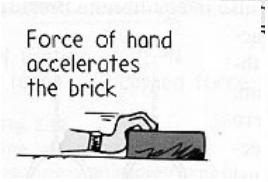


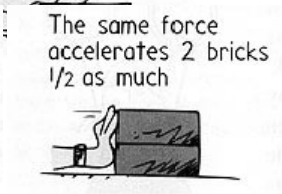
- The accel
- Mass and

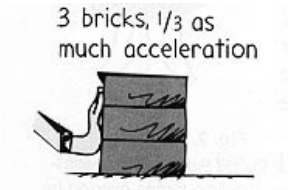


depends on the _____of the

_____related.







- F = ma
  - F = _____, measured in _____
  - m = _____, measured in _____
  - a = _____, measured in _____
- A Newton is the standard unit of _____
  - F = ma
  - _____
  - A Newton is the force required to accelerate _____at a rate of _____
  - On Earth, 1 kg = _____ = _____