

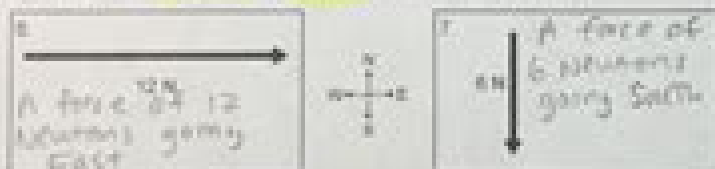
Name _____ Team _____ Period _____

Forces, Magnitude & Direction

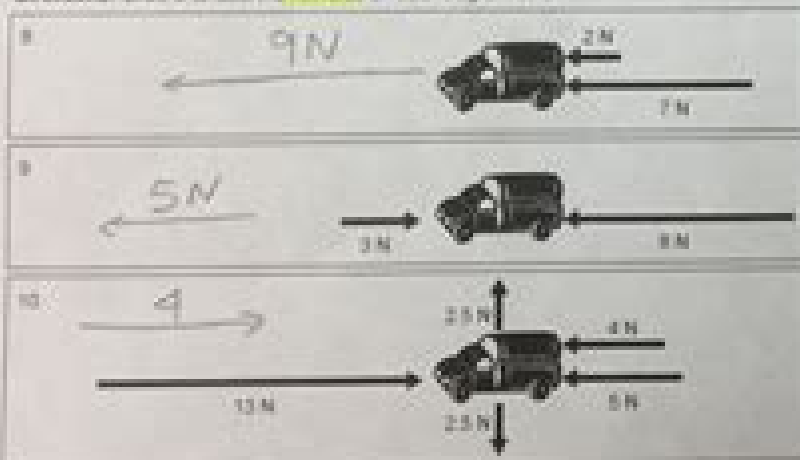
Directions: Fill in with the correct answer.

1. A FORCE is a push or a pull.
2. The NET FORCE is the combination of all of the forces acting on an object.
3. The unit used to measure force is the NEWTON.
4. When two or more forces act on an object in the same direction, the forces balance (combine/attach/multiply).
5. When two forces acting in opposite directions combine, the net force is in the same direction as the (smaller/larger) force.

Directions: Give the magnitude and direction of the forces shown below.



Directions: Draw and label the net force on each diagram below.



Name _____ Team _____ Period _____

Identifying Forces

Identify the forces in each of the following situations.
Then describe the effect of the forces.

PUSH - The ball is being pushed away from the window.
PULL - nothing is pulling the ball away.

PULL - each pull is the other.
PULL - the rope is pulled.

PUSH - the large push is the force.
PULL - one large pull is the person.

PUSH - magnet pushes on the surface.
PULL - magnet attracts the paperclip.

PUSH - hand pushes hammer.
PULL - hand pulls hammer back.
PULL - hand pulls hammer back.

PUSH - exploding pushes materials out.
PULL - materials are pulled down by gravity.

PUSH - air pushes the balloon.
PULL - the balloon is pulling on itself.

PULL - hand pulls the leaf.
PULL - the leaf is being pulled down by gravity.

Science Review Forces Section Answer Key

SJ Ball



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