

Forces, Magnitude & Direction

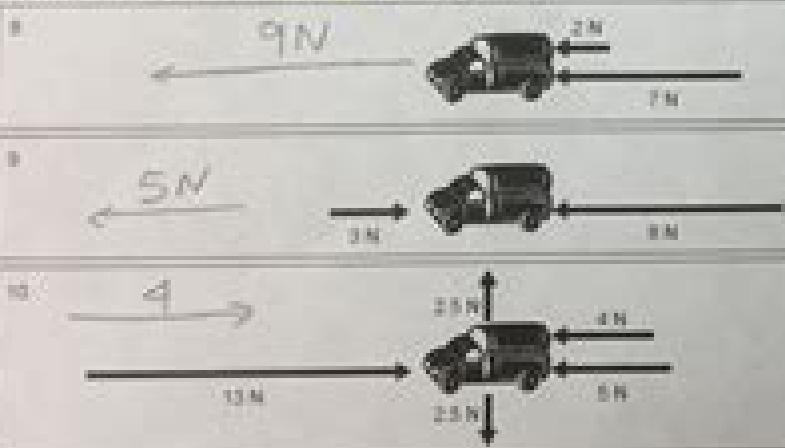
Directions: Fill in the correct answer.

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 to make zero).
5. When two forces acting in opposite directions combine, the net force is in the same direction as the larger (or positive) force.

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



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



Identifying Forces

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



Push - The ball is in motion.
The ball is moving to the left.
The ball is rolling to the left.



Push - The person is pushing the chair to the right.
The chair is moving to the right.



Push - The person is pushing the piano to the right.
The piano is moving to the right.



PUSH - metal pulls on the surface.
The magnet pulls on the paper.



PUSH - metal pulls on the surface.
The magnet pulls on the metal.
The metal is pulled towards the magnet.



PUSH - magnets repel.
The magnets are pulled apart by gravity.



PUSH - the person pushes the bicycle to the right.
The person pushes the bicycle to the right.
The person pushes the bicycle to the right.
The person pushes the bicycle to the right.



PULL - leaf falls down.
The leaf falls down.
The leaf falls down.
The leaf falls down.

Science Review Forces Section Answer Key

SJ Ball

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after it failed to do its job we have not touched the timing we used the special pump tool but the reason we think or we are going to check the timing is the problem came from someone miss using acting the part with the car

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