

Momentum Worksheet

Pre assessment

Name _____

Date _____

True or False?

- _____ 1.) Momentum is not equal to the mass of an object divided by its velocity.
- _____ 2.) The momentum of an object can change.
- _____ 3.) Two objects with the same mass will always have the same momentum.
- _____ 4.) All moving objects don't have momentum.
- _____ 5.) When an object speeds up, it gains momentum.
- _____ 6.) Objects with different masses can't have the same momentum.
- _____ 7.) Direction does not matter when you are measuring momentum.
- _____ 8.) Momentum can be transferred from one object to another.
- _____ 9.) When objects collide, some momentum is lost.
- _____ 10.) A tiny bullet can have more momentum than a huge truck.

Fill in the blank.

- 11.) A moving car has momentum. If it moves twice as fast, its momentum is

_____ as much.

- 12.) Two cars, one twice as heavy as the other, move down a hill at the same speed.

Compared to the lighter car, the momentum of the heavier car is _____ as much.