

# Download Momentum And Collisions Answers

Momentum as a Vector Quantity. Momentum is a vector quantity. As discussed in an earlier unit, a vector quantity is a quantity that is fully described by both magnitude and direction. To fully describe the momentum of a 5-kg bowling ball moving westward at 2 m/s, you must include information about both the magnitude and the direction of the bowling ball. The Law of Momentum Conservation. The above equation is one statement of the law of momentum conservation. In a collision, the momentum change of object 1 is equal to and opposite of the momentum change of object 2. Exam style questions with full worked solutions on the Impulse and Momentum Chapter. Impulse Affects Momentum. Any moving object can have momentum. This is because momentum is mass in motion. The way we determine an object's momentum is fairly straightforward.