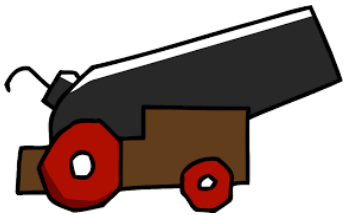


A 23 kg cannonball traveled 700 yards before striking a home. It is estimated that the cannonball was traveling at 1000 feet per second. Find the momentum of the cannonball. (assume the velocity provided was the horizontal velocity)

| | |
|------------------------|--|
| <u>Momentum</u> | |
| Variable: | |
| Formula: | |
| Units: | |



Given:

$m =$ _____

$v_x =$ _____



Manage your units!!

Convert all units to MKS units (meters, kilograms, seconds)

$m =$ _____ Does this need to be converted to MKS units?

$v_x =$ _____ Does this need to be converted to MKS units?

Unknown:

Formula:

Solution: