**Horizontal Projectile Motion Intro Worksheet Answer Key**



1. A ball is dropped from 4 meters high. How long does it take for the ball to reach the ground?





1. A ball is launched horizontally at 2 m/s from 2 meters high. How long does it take for the ball to reach the ground?

Ignore horizontal velocity.

Initial velocity in the y-direction is zero.

1. A ball is launched horizontally at 2 m/s from 2 meters high. How far away does the ball hit the ground?

Y-direction is the same as the previous problem.

The time it takes to hit the ground is 0.64 s.