

Module 03 - Lesson 3

Projectile Motion

Question 1: A carpenter tosses a shingle horizontally off an 10.0-m high roof at 12 m/s. How long does it take the shingle to reach the ground?

Question 2: A kid fires a squirt gun horizontally from 1.5 m above the ground. The water hits the ground 2.0 m away from the kid. What was the initial speed of the water fired from the squirt gun?

Problem: If you can hit a golf ball 160 m on Earth, how far can you hit it on Mars? Ignore air resistance.