

3 A student throws a stone upwards at an initial speed of 15.0 m s^{-1} .

What is the displacement of the stone after 2.00 s ?

A 1.12 m

B 10.4 m

C 11.5 m

D 12.6 m

4 A student pulls a 2.0 kg crate with a force of 9.0 N directed at an angle 45° from the horizontal as shown.