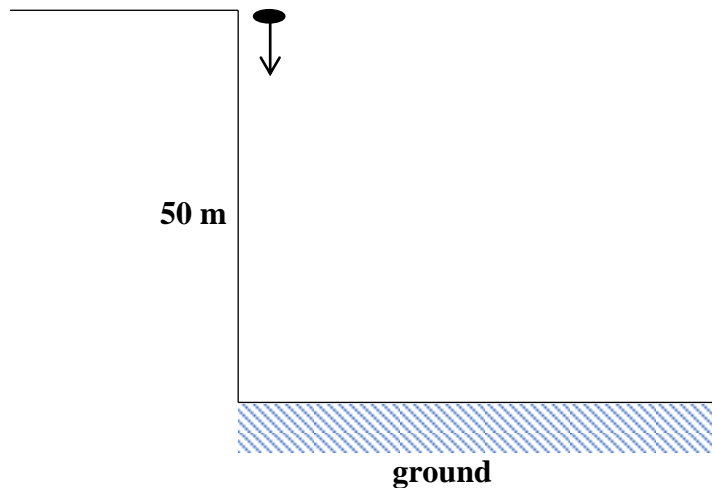


Year 11 Physics 2021

Worksheet 7

Write the answers in your Exercise Book.

A rock is dropped from a height of 50 m above the ground.



- (a) Find the **speed** of the rock after 1 s. **(1 mark)**
- (b) Find the **speed** of the rock after 2 s. **(1 mark)**
- (c) How **far** does it fall in 1.5 s? **(1 mark)**
- (d) How long does it take to fall 20 m? **(1 mark)**
- (e) How long does it take to reach the ground? **(1 mark)**
- (f) What is its **speed** just before it strikes the ground? **(1 mark)**
- (g) How far does it fall in the **third** second of its motion? **(2 marks)**