

PHYSICAL SCIENCE-Worksheet 1, Chapter 14 (14.1)

Solve the following. SHOW YOUR WORK.

1. A 25kg box is pushed with a force of 350N a distance of 15m. How much work is done?
2. Bob lifts a 15N rock through a distance of 1.7m. How much work does Bob do?
3. A weightlifter lifts a 1250 N barbell 2 m in 3 s. How much power was used to lift the barbell?
4. A crane lifts a 35000 N steel girder a distance of 25 m in 45 s. How much power did the crane require to lift the girder? Write your answer in kilowatts.