

LABASA SANGAM (SKM) COLLEGE
HOME STUDY PACKAGE
YEAR 11 PHYSICS
WORKSHEET 7

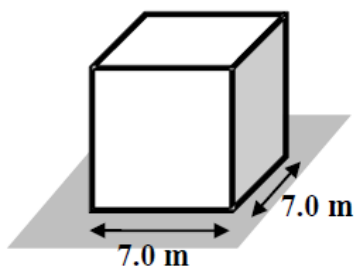
Name: _____
Year: _____

1. A block of concrete weighs 900 N and its base is a square of side 3.0 m. What pressure does the block exert on the ground?

2. What is the pressure on a surface when a force of 50N acts on area of
i) 4.0 m^2

ii) 80 m^2

2. A block weighs 710.5 N and its base is a square with sides 7.0 m long. Calculate the **pressure** this block will exert on the ground.



(2 marks)

3. The amount of pressure in a liquid increases with a/an
- A. decrease in mass.
 - B. increase in depth.
 - C. increase in volume.
 - D. decrease in gravity.
4. What is the pressure 100 m below the surface of sea water of density 1150 kg/m^3 ?