



Silent Bells



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Subject: physics

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Worksheet No: 4.5



Lesson & LO; Reflection of Light

1 What is meant by magnification? Write the equation for finding magnification?

2 What is the relation between the height of an object, height of its image, distance to the object and distance to the image?

3 The focal length of a concave mirror is 20 cm. if an object is placed 30cm away from the mirror on the principal axis,

a) What is the distance to the image?

B) Write the magnification and the nature of the image?

4 when an Object of height 6cm was placed 8 cm away from a concave mirror, a real image was formed 16 cm away from the mirror,

a) what is the height of the image? b) what is the magnification?

5 An object is placed 8cm away in front of a concave mirror of focal length 5cm. Find the position of image and magnification

