Name :   Date :

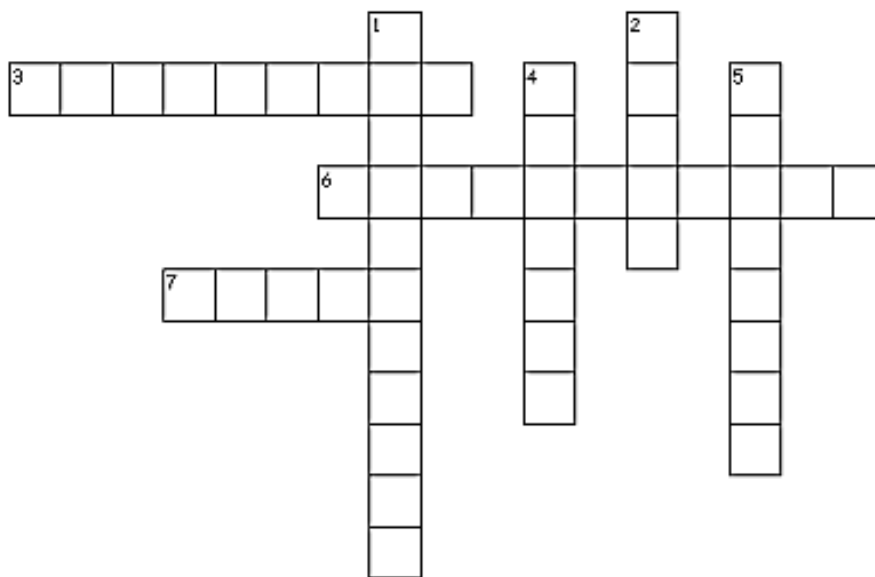Grade : VII   **Worksheet**   Submission Date :

Subject : Math   Parent's sign :

Visualising Solid Shapes

I. Cross word Puzzle

Across

3. A sketch where the measurements kept proportional
6. A pyramid with triangle base
7. The line segments of the skeleton of solid shape

Down

1. solid shapes are three-_____
2. flat surfaces of solid shapes
4. it is the useful way to see how three-dimensional objects can be viewed in two dimensions
5. The corners of a solid shape

II Do the following:

1. If three cubes of dimensions 2 cm × 2 cm × 2 cm are placed end to end, what would be the dimension of the resulting cuboid?

2. (i) Why a cone is not a pyramid?

(ii) How many dimension a solid have?

(iii) Name the solid having one curved and two flat faces but no vertex.

3. Name any three objects which resemble a sphere and cone.

4. Write down the number of edges on each of the following solid shapes
   (i) Cube-

   (ii) Tetrahedron-

   (iii) Sphere-

   (iv) Triangular prism-

5. Draw the net of the following:
a) Cube   b) Cuboid   c) Triangular pyramid