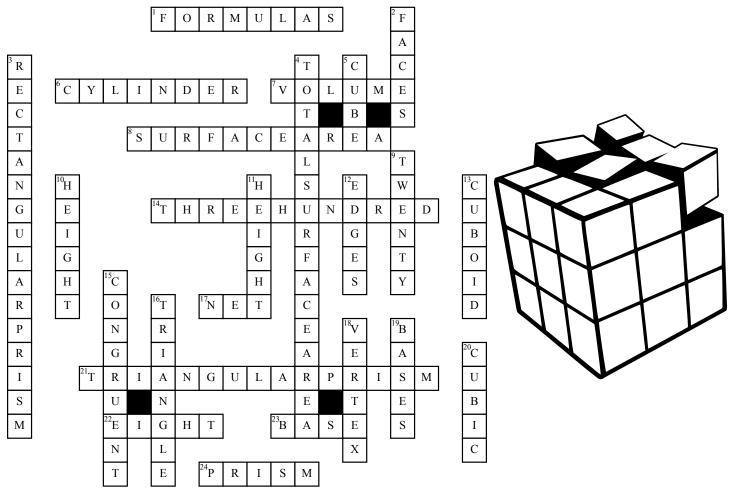
Surface Area and Volume Puzzle



Across

- 1. 1/2BH, lxl, lxw,2(lw+hw+1h) are all examples of
- **6.** i am a shape that has no vertices
- 7. The amount of space occupied in an object is?
- 8. ____ is the sum of the areas of all the sufaces(faces) of a 3D figure
- **14.** a box is 6cm long, 5 cm wide and height is 10cm. Find the volume of the box.
- **17.** Cutting a 3D object along its edges, opening it up, and laying it flat. The result is a 2D figure called
- 21. A is a solid figure that has two parallel and congruent sides, or bases, that are rectangles.

- **22.** Find the volume of the cube having sides 2cm. ____ cmetre sq.
- **23.** What is another name for one surface of a shape
- **24.** A 3D figure whose ends are parallel, similar, equal

Down

- **2.** A _____-is any of the individual flat surfaces of a solid figure
- **3.** What is a 3D rectangle called?
- **4.** What does T.S.A stand for?
- **5.** I am contained by 6 equal squares
- 9. A triangular prism has a base of 4m, height 2m and length of the side of the rectangle is 5cm. what is its volume? cmetre sq.

- **10.** To find the volume of a triangular prism you must multiply the length, width and what?
- 11. To find the volume of any prism you multiply the area of base times the____
- **12.** For a polyhedron an is a line segment where two faces met
- **13.** I am a shape that has 6 faces,12 edges and 8 vertics
- **15.** This is having the same shape and size
- **16.** 1/2 BH is the formula for the area of what?
- **18.** The point where two lines meet to form a angle
- **19.** 3D shapes are name by their
- **20.** Volume is written in metres