Surface Area and Volume Puzzle
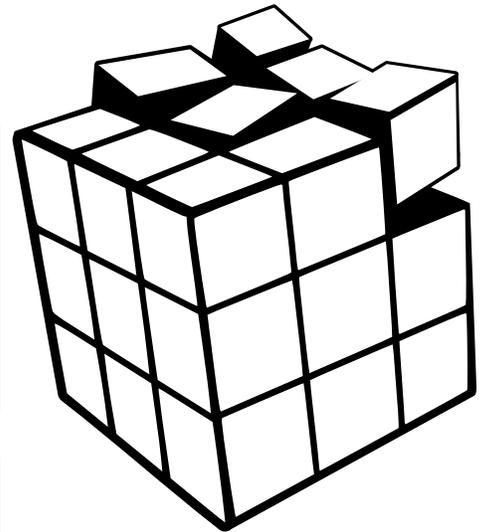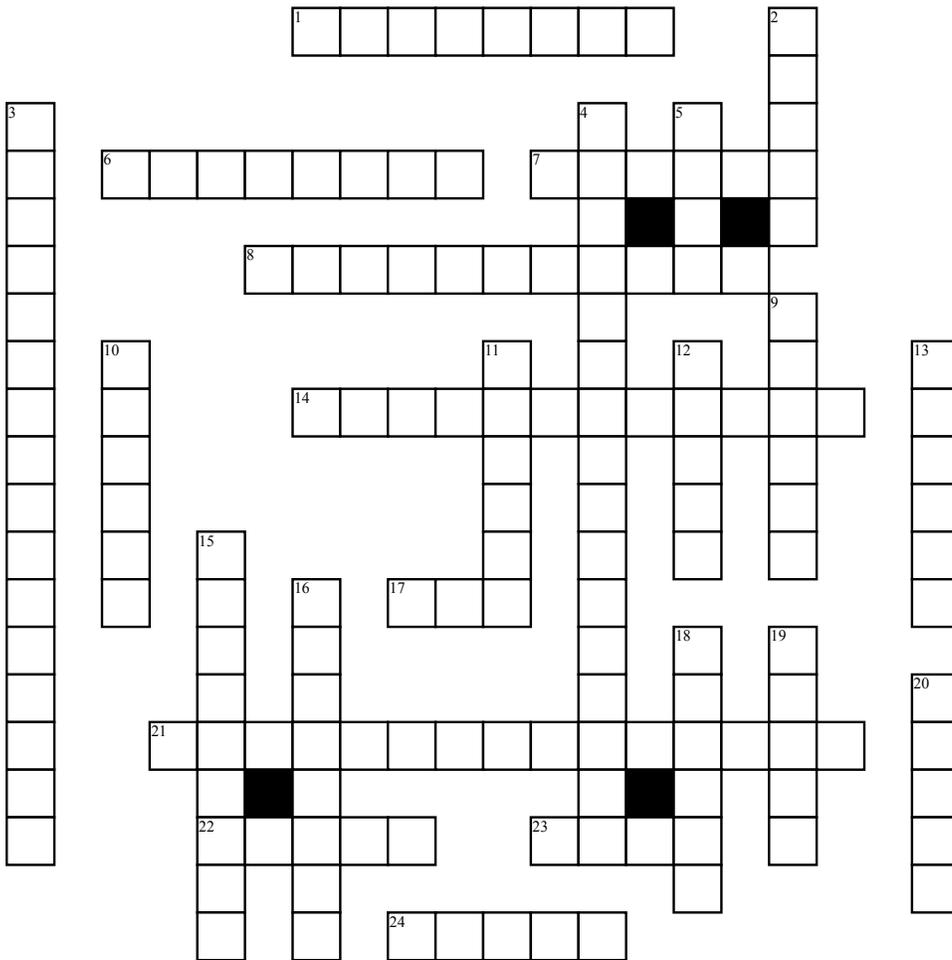
Across

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