

## PAF chapters

### Math Revision Worksheet (Tr IVs')

Topics:- 2D and 3D shapes.

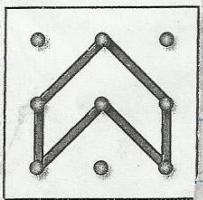
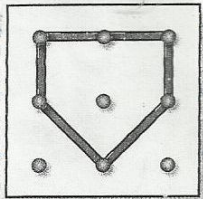
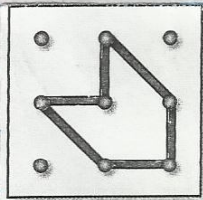
- Lines of Symmetry.
- Parallel & perpendicular sides.
- Volume and Capacity.

Q1. State whether true or false.

1. The sides of a regular polygon are all equal. (T)
2. All pentagons have a total of five diagonals. (T)
3. All rectangles have 2 pairs of parallel sides. (T)
4. A regular hexagon has three pairs of parallel sides. (T)
5. An equilateral triangle has perpendicular sides. (F)
6. A triangular prism has more faces than a cube. (F)
7. A cuboid has the same number of edges as a cube. (T)
8. A square has only two sides equal in length. (F)
9. A square is an irregular quadrilateral. (F)
10. The opposite sides of a square are perpendicular to each other. (F)
11. The sum of angles of a square is  $360^\circ$ . (T)
12. A square has four lines of symmetry. (T)
13. The only difference between a square and rectangle is the number of sides that are equal in length. (T)
14. All pyramids have an odd number of edges. (F)
15. The number of edges of the base of a pyramid is one more than the number of faces. (F)
16. The number of faces of a prism is two more than the number of edges of its base. (T)
17. The number of straight edges in a prism is a multiple of 3. (T)

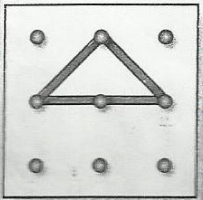
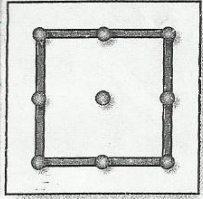
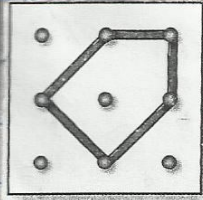


Q.2a) Write the number of pairs of parallel sides and perpendicular sides.



Parallel Sides

Perpendicular Sides



Parallel Sides

Perpendicular Sides

Q2b) Write the number of sides and number of angles of the following shapes.

Shape	Number of Sides	Number of Angles
Square		
Rectangle		
Circle		
Pentagon		
Hexagon		



Q3. Find the volume of the following cuboids

Cuboid	length (cm)	breadth (cm)	height (cm)	Volume (cm <sup>3</sup> )
A	2 cm	4 cm	3 cm	
B	6 cm	2 cm	3 cm	
C	3 cm	5 cm	2 cm	
D	4 cm	6 cm	1 cm	

Q4. Fill in the blanks.

- 1) 500 ml = \_\_\_\_\_ l.
- 2) 400 ml = \_\_\_\_\_ l.
- 3) 100 ml = \_\_\_\_\_ l.
- 4) 750 ml = \_\_\_\_\_ l.
- 5) 1250 ml = \_\_\_\_\_ l.
- 6) 1750 ml = \_\_\_\_\_ l.
- 7) 2500 ml = \_\_\_\_\_ l.
- 8) 1 l 250 ml = \_\_\_\_\_ ml
- 9) 20 l = \_\_\_\_\_ ml
- 10) 3 l 300 ml = \_\_\_\_\_ ml
- 11) 12 l 50 ml = \_\_\_\_\_ ml.
- 12) 2 l 72 ml = \_\_\_\_\_ ml

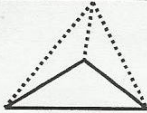
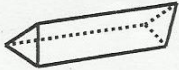
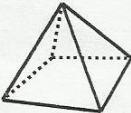



Q5. The capacity of a carton is 2650 ml and a bucket is 1850 ml. How much is the total capacity of a carton & a bucket?



86. Mrs Zain had 684 L of orange juice.  
 She has to fill orange juice in 6 bottles  
 equally. How much amount of juice each  
 bottle will contain ?

87

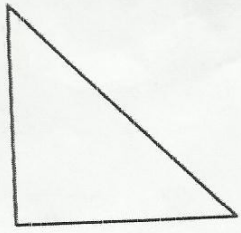

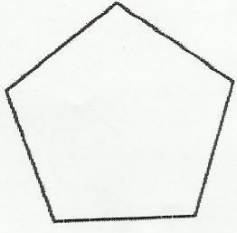
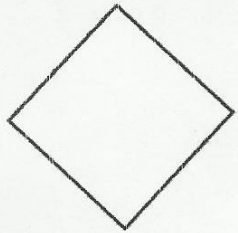
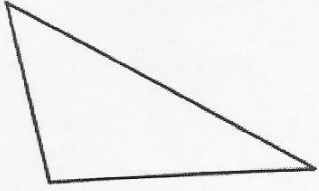
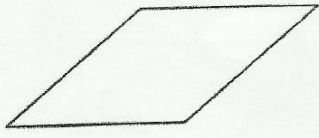
Q4. Name the Shapes and write the number of faces, vertices and edges.

Shapes	Names	Faces	Vertices	Edges
				
				
				
				
				
				

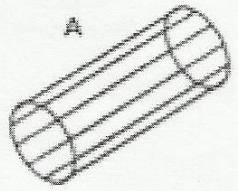
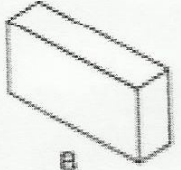
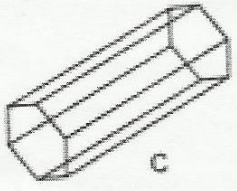
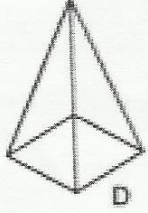
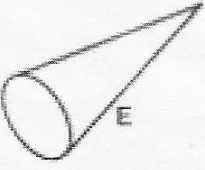
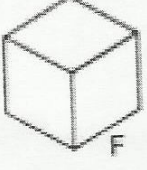
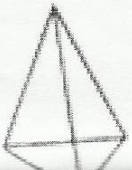
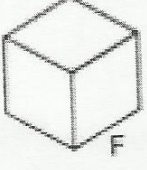



Q8 For each of the shapes below,

- draw the lines of symmetry in each shape;
- name each shape.

		
Sides: Lines of symmetry: Name of shape	Sides: Lines of symmetry: Name of shape	Sides: Lines of symmetry: Name of shape
		
Sides: Lines of symmetry: Name of shape	Sides: Lines of symmetry: Name of shape	Sides: Lines of symmetry: Name of shape

Q9 Identify each of these 3-D shapes, by their names in the given box and match.

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		<input type="text" value="Square based Pyramid"/>
		<input type="text" value="Cone"/>
		<input type="text" value="Cylinder"/>
		<input type="text" value="Tetrahedron"/>
		<input type="text" value="Octagonal Prism"/>
		<input type="text" value="Hexagonal Prism"/>