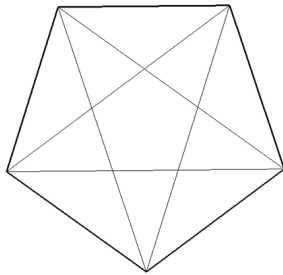
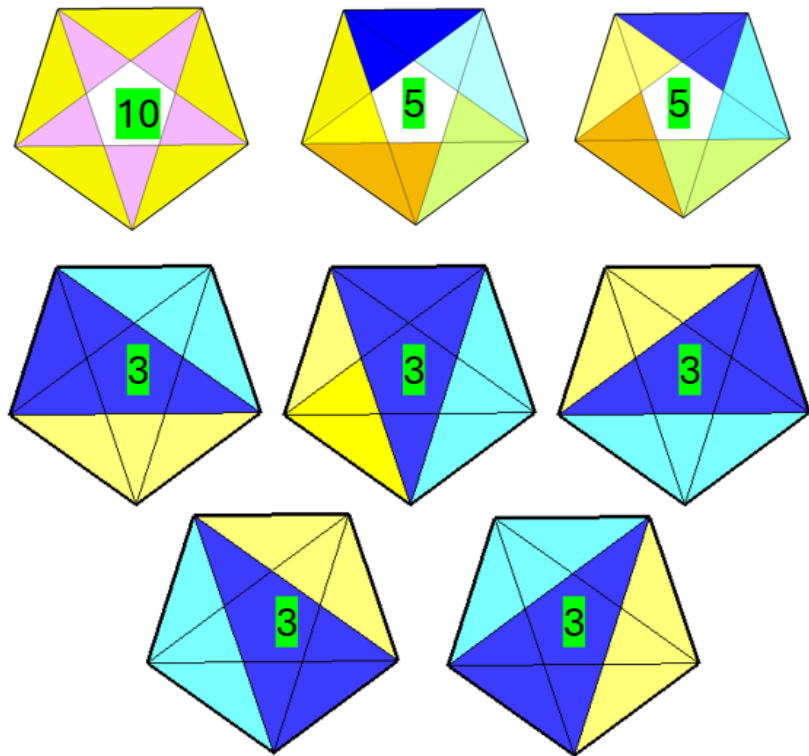
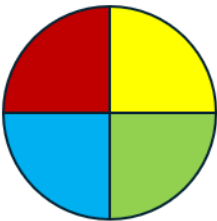
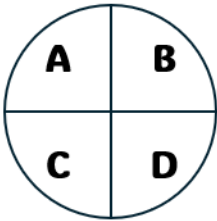
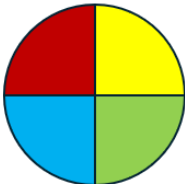
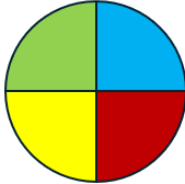
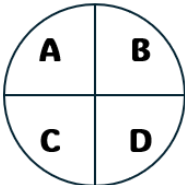
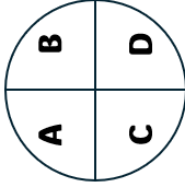


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Q.No	Visual Reasoning	Type :MCQ
1	How many triangles are there in the image 	
Options	A. 25 B. 30 C. 32 D.35	
Correct Ans	D. 35	
Explanation	 $10 + 5 + 5 + 3 \times 5 = 35$	

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Q.No	Visual Reasoning	Type :MCQ
2	Shown below are two wheels P and Q. The white part of Q is transparent. P is rotated 180° clockwise and Q is rotated 90° anticlockwise and then Q is kept over P such that their centres coincide. Which of the following is the correct alphabet and colour combination?   P Q	
Options	A. Red - A, Blue -C B. Green -B Yellow A C. Red -C Green A D. Yellow-A Blue D	
Correct Ans	D. Yellow-A Blue D	
Explanation	 $\xrightarrow{\text{Rotated } 180^\circ \text{ clockwise}}$   $\xrightarrow{\text{Rotated } 90^\circ \text{ anticlockwise}}$   Yellow - A	

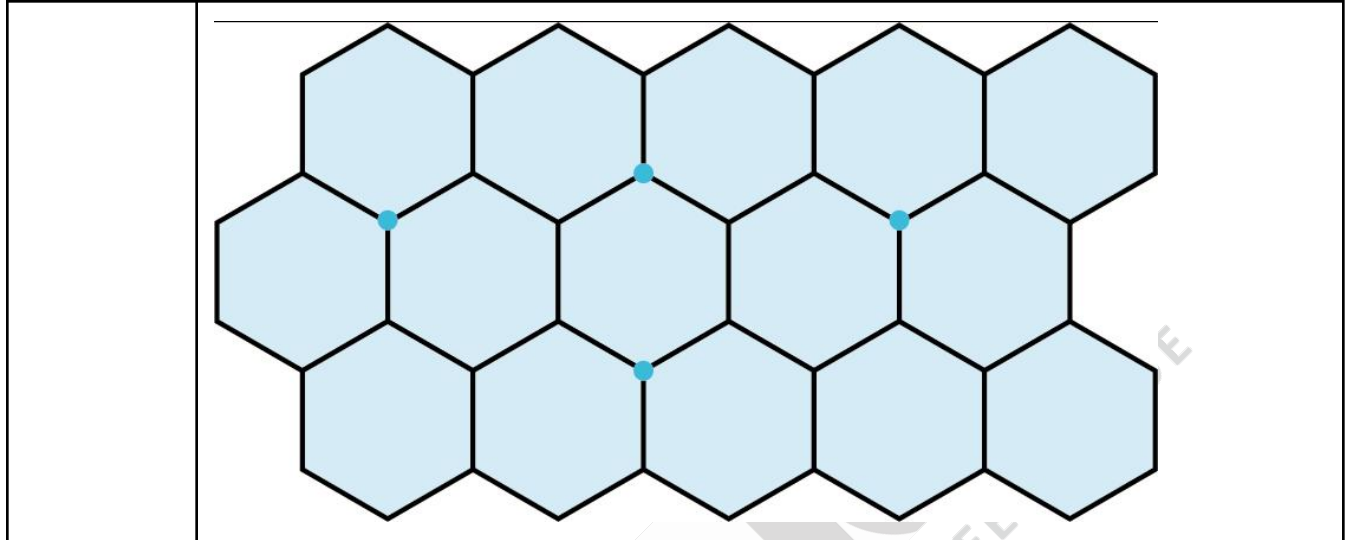
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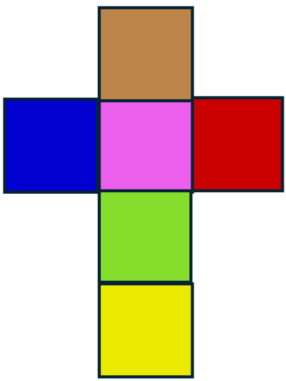
	Green - B Red - C Blue - D
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Q.No	Visual Reasoning		Type :MCQ	
3	Top view of an object is called _____			
Options	A.Isometric	B. Plan	C. Elevation	D. Perspective
Correct Ans	B. Plan			
Explanation	The top view of an object is primarily called a plan or plan view in technical drawing and orthographic projection. It represents the object as seen from directly above, showing its layout, width, and depth. It is one of the key views in 3D-to-2D mapping			

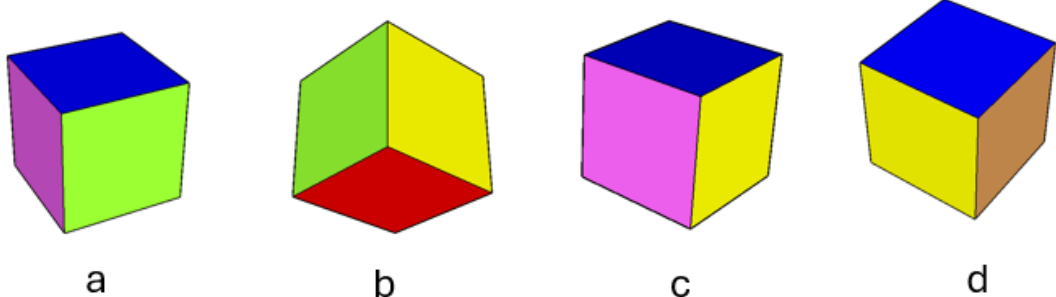
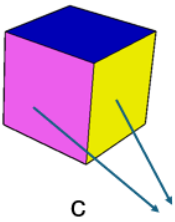
Q.No	Visual Reasoning		Type :MCQ	
4	How many regular hexagons share a common vertex in a tessellation pattern? → Answer: 3			
Options	A 2	B. 4	C. 6	D. 3
Correct Ans	D. 3			
Explanation	For a tessellation, the angles around a point must add up to: 360° So, the number of hexagons meeting at one vertex is: $\frac{360^\circ}{120^\circ} = 3$ Therefore, 3 regular hexagons share a common vertex in a tessellation pattern.			

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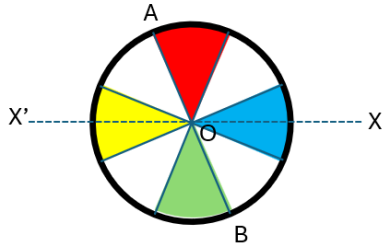
Q.No	Visual Reasoning	Type :MCQ
5	Shown below is an unfolded view of a cube. When it is folded to make a cube, which of the given options is not possible 	

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	 a b c d			
Options	A.	B.	C.	D.
Correct Ans	C			
Explanation	 c These 2 colours are on opposite sides in the unfolded cube			

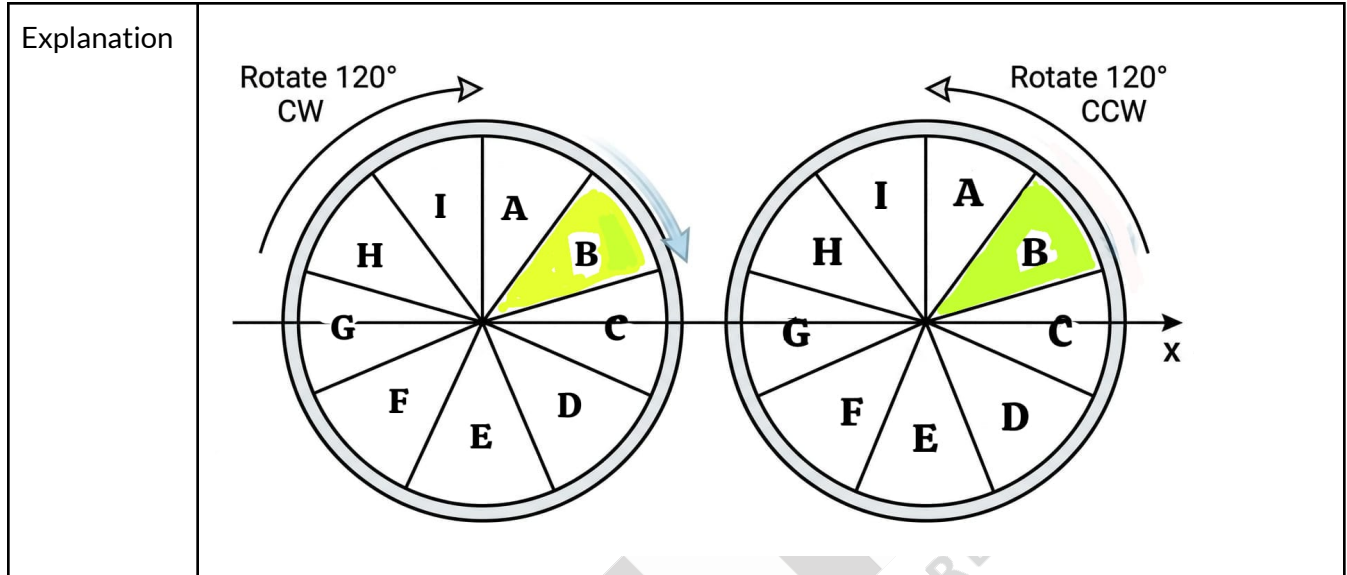
Q.No	Visual Reasoning	Type :MCQ
6	Shown below is a circle with AB as its diameter and O as centre. How much minimum should the circle rotate so that AO makes 160° with the X axis ?	

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Options	A. 115°	B. 137.5°	C. 103.75°	D. 90°
Correct Ans	C. 103.75°			
Explanation	The circle is divided into 8 parts So, each sector subtends $= 360/8 = 22.5^\circ$ Presently, angle made by AO with X axis $= 22.5^\circ \times 2 + 22.5^\circ/2 = 56.25^\circ$ To make 160°, it should rotate $= 160^\circ - 56.25^\circ = 103.75^\circ$			

Q.No	Visual Reasoning		Type :MCQ	
7	There are two wheels each divided into 9 parts each lettered from A to I with a part highlighted. One is rotated clockwise and the other anticlockwise by 120°. Which letter will be seen in the place highlighted ?			
Options	A. FG	B. HI	C. HE	D. GE
Correct Ans	C. HE			

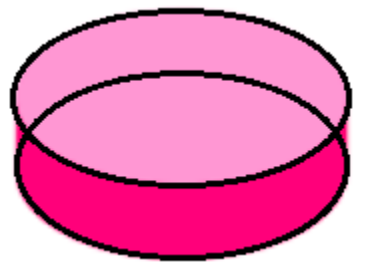
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Q.No	Visual reasoning		Type :MCQ	
8	What is the shape called having 18 edges and 12 vertices ?			
Options	A.Pentagonal Prism	B.Hexagonal Prism	C.Octahedron	D. Triangular Prism
Correct Ans	B.Hexagonal Prism			
Explanation	A Hexagonal Prism has: ● 12 vertices ● 18 edges ● 8 faces (2 hexagonal bases + 6 rectangular faces)			

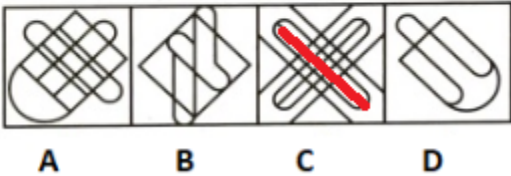
Q.No	Visual Reasoning	Type :MCQ
9	How many edges and surfaces does a cylinder have?	

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Options	A. E-2 & S-3	B. E-3 & S-2	C. E-1 & S-2	D. E-3 & S-3
Correct Ans	A. E-2 & S-3			
Explanation				

Q.No	Visual Reasoning	Type :MCQ
10	Find out the alternative which contains figure (X) as its part.  X  A B C D	

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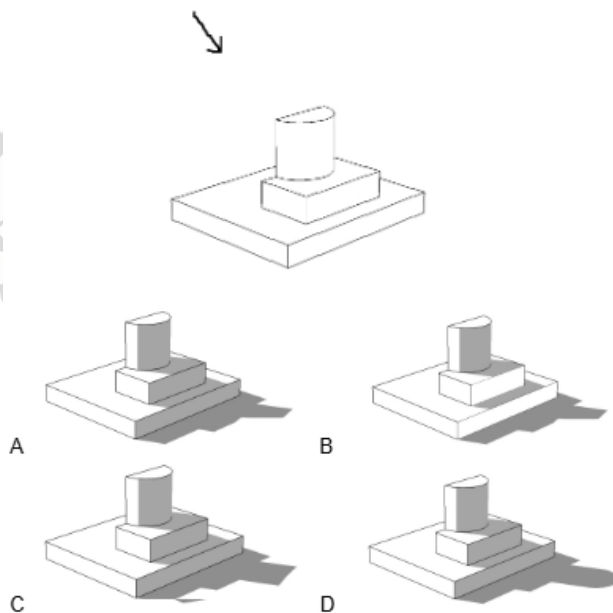
Options	A.	B.	C.	D.
Correct Ans	C.			
Explanation	  A B C D			

Q.No	Visual Reasoning		Type :MCQ	
11	A Pyramid with 4 triangle ,1 square has many edges?			
Options	A.6	B.8	C.10	D. 12
Correct Ans	B.8			
Explanation	A square pyramid has: • 4 edges on the square base • 4 slant edges connecting the apex to the base corners Total edges = 4 + 4 = 8.			

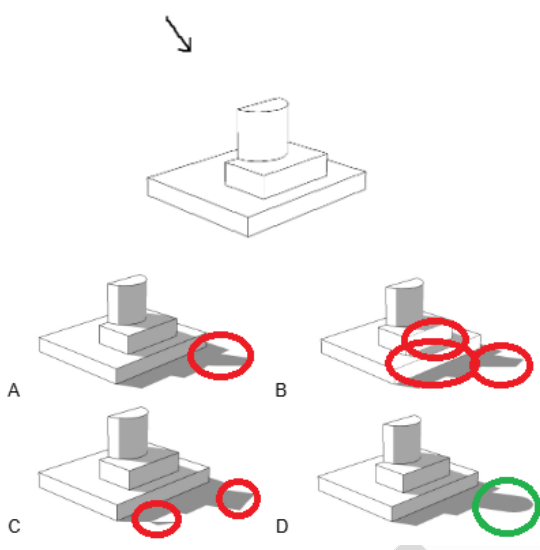
Q.No	Visual Reasoning	Type :MCQ
12	Which geometric form has 4 triangular faces, 1 square base, 8 edges, and 5 vertices?	

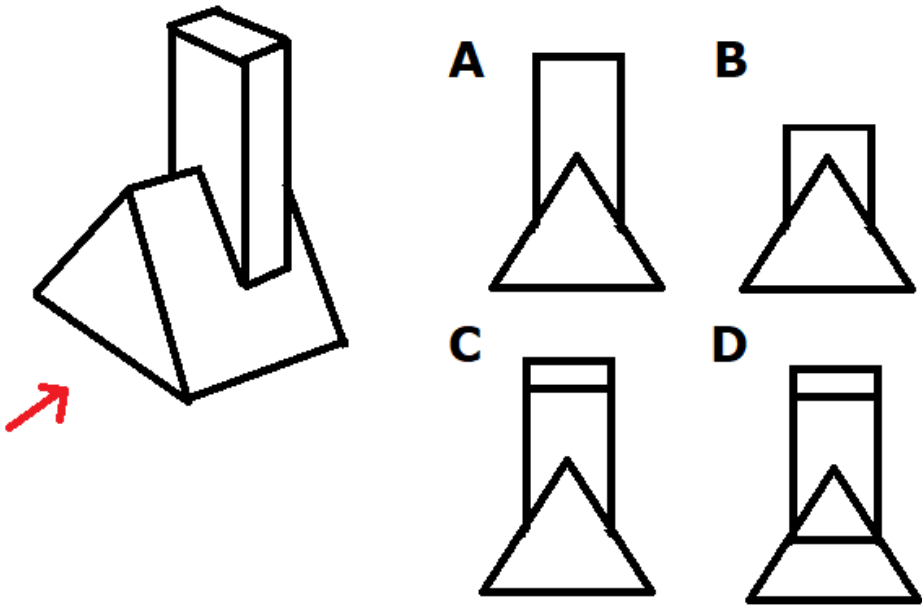
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Options	A.Cube	B.Triangular Prism	C.Square Pyramid	D. Tetrahedron
Correct Ans	C.Square Pyramid			
Explanation	A Square Pyramid consists of: • 4 triangular faces • 1 square base (a rectangle with equal sides) • 8 edges • 5 vertices (4 at the base + 1 apex)			

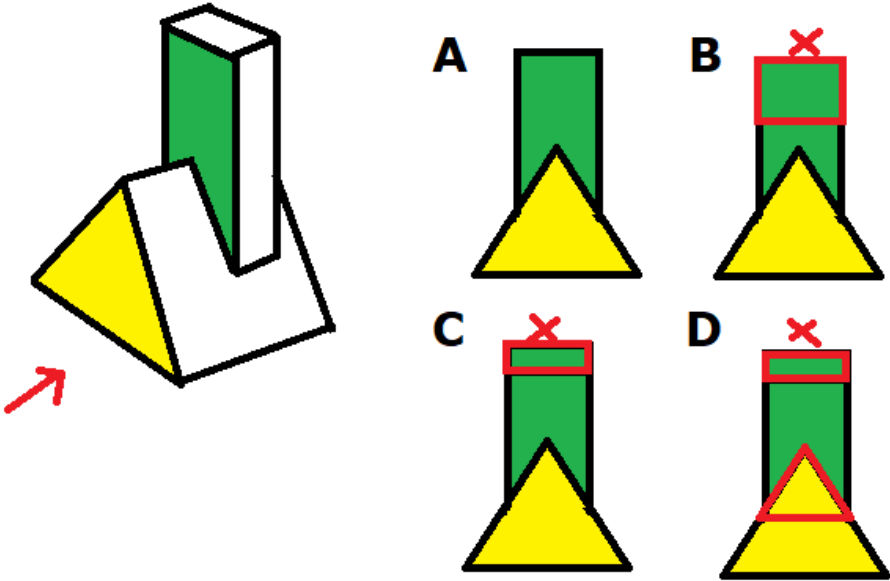
Q.No	Visual Reasoning	Type :MCQ		
13	light is falling from the top identify the correct shadow 			
Options	A.	B.	C.	D.
Correct Ans	D.			

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Explanation	
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Q.No	Visual Reasoning	Type :MCQ
14	Identify the correct view from the arrow given. 	

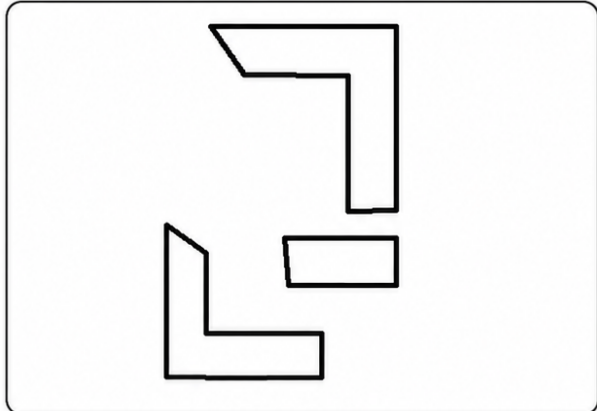
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Options	A.	B.	C.	D.
Correct Ans	A			
Explanation				

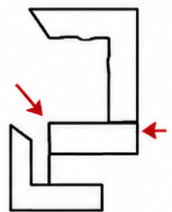
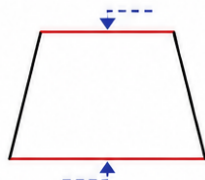
Q.No	Visual reasoning		Type :MCQ	
15	Which of these do not have 12 edges?			
Options	A.Octahedron	B.Cuboid	C. Hexagonal pyramid	D. Hexagonal prism
Correct Ans	D. Hexagonal prism			
Explanation	Octahedron → 12 edges Cuboid → 12 edges Hexagonal pyramid → 12 edges (6 base edges + 6 lateral edges) Hexagonal prism → 18 edges			

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Q.No	Visual Reasoning		Type :MCQ	
16	If Cuboid = 12 , then which of the following is not true ?			
Options	A.Hexagonal Prism = 18	B.Triangular Prism = 9	C. Square Base Pyramid = 12	D. Tetrahedron = 6
Correct Ans	C. Square Base Pyramid = 12			
Explanation	The numbers represent the number of edges in each 3D shape. • Cuboid → 12 edges ✓ • Hexagonal Prism → 18 edges ✓ • Triangular Prism → 9 edges ✓ • Tetrahedron → 6 edges ✓ • Square Base Pyramid → 8 edges, not 12 ✗			

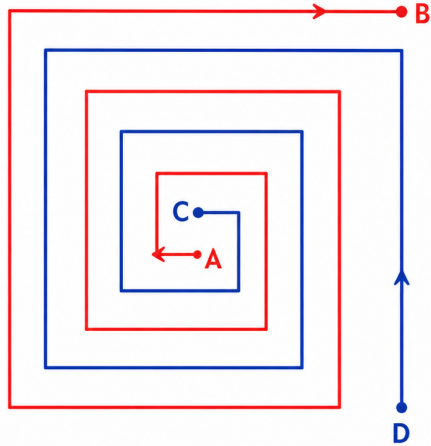
Q.No	Visual Reasoning		Type :MCQ	
17	QUESTION The given figure is made up of three separate pieces. Which of the following shapes can be formed by joining these three pieces together?			
Options	A.Square	B.Rectangle	C. Rhombus	D. Trapezium
Correct Ans	B. Rectangle			

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Explanation	EXPLANATION Step 1: Observe the pieces We have three pieces. We need to join all three to form one closed shape.  Step 2: Join the pieces Place the small rectangular piece between the two L-shaped pieces as shown.  Step 3: Shape formed After joining, the outer boundary is a four-sided figure. It has exactly one pair of parallel sides (top and bottom). The other two sides are non-parallel.  Step 4: Identify the shape A four-sided figure with exactly one pair of parallel sides is called a Trapezium.  Hence, the shape formed is a Trapezium. Answer: D. Trapezium
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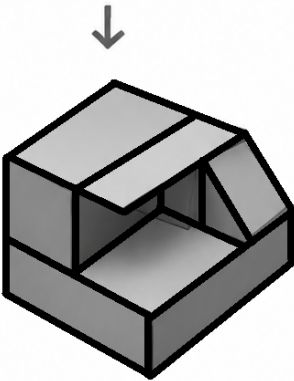
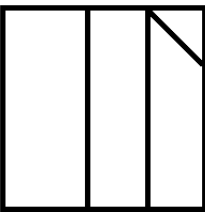
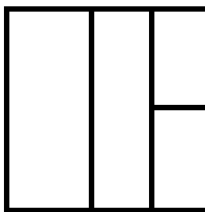
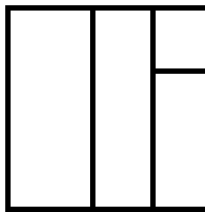
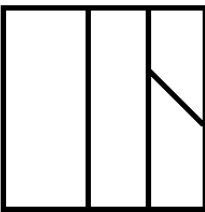
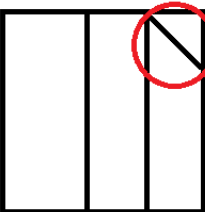
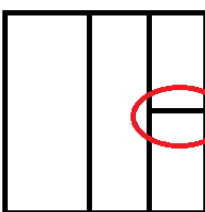
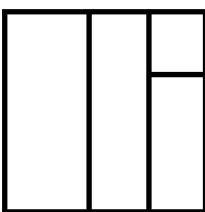
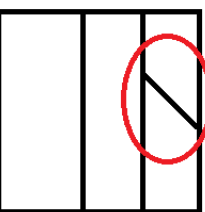
Q.No	Visual Reasoning	Type :MCQ
18	Rohit follows the red path and starts from A to reach B. Hardik follows the blue path and starts from D to reach C. How many right turns does Hardik make while travelling from D to C?	

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Options	A.5	B.6	C.7	D.8
Correct Ans	B. 6			
Explanation	Follow the blue path from D towards C and count only the points where Hardik changes direction by 90° to the right. Total right turns = 6			

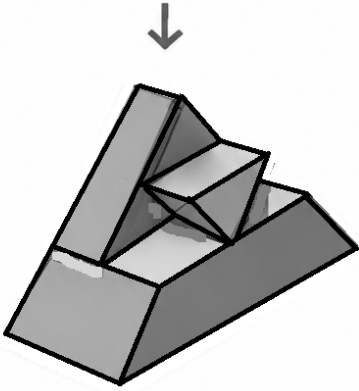
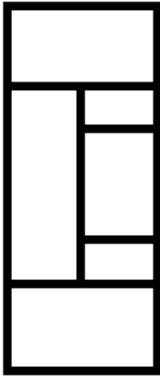
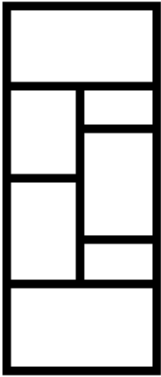
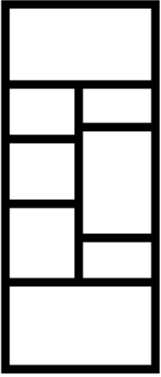
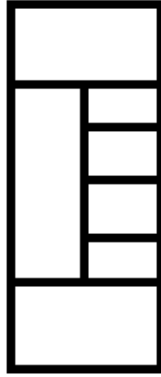
Q.No	Visual Reasoning	Type :MCQ
19	Identify Correct 'Top view from the given image?	

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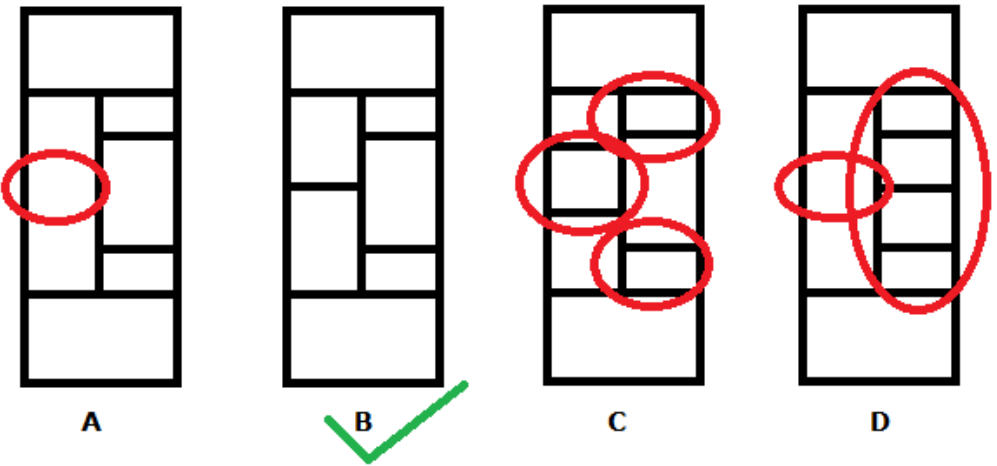
	  A  B  C  D			
Options	A.	B.	C.	D.
Correct Ans	C			
Explanation	 A  B  C  D			

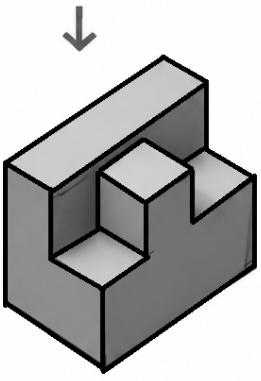
Q.No	Visual Reasoning	Type :MCQ
20	Identify Correct 'Top view from the given image?	

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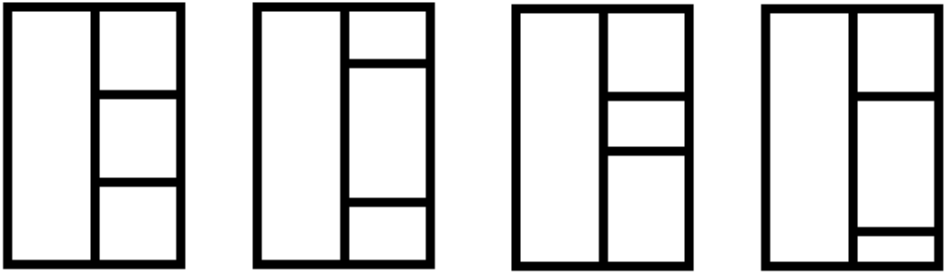
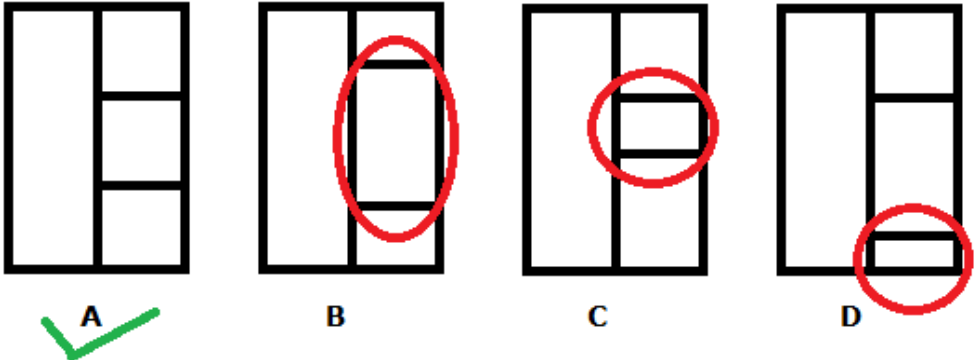
	  A  B  C  D
Options	A. B. C. D.
Correct Ans	B.

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Explanation	 A B C D
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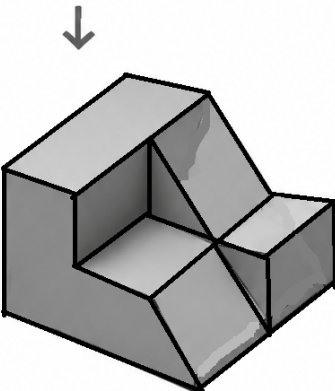
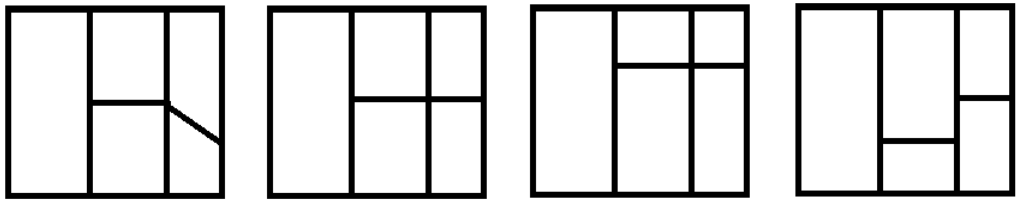
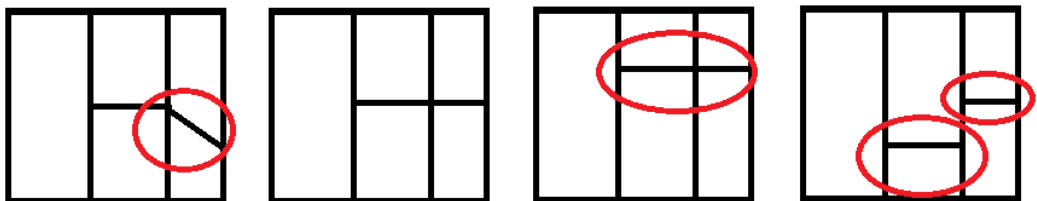
Q.No	Visual Reasoning	Type :MCQ
21	Identify Correct 'Top view from the given image? 	

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	 A B C D			
Options	A.	B.	C.	D.
Correct Ans	A.			
Explanation	 A B C D			

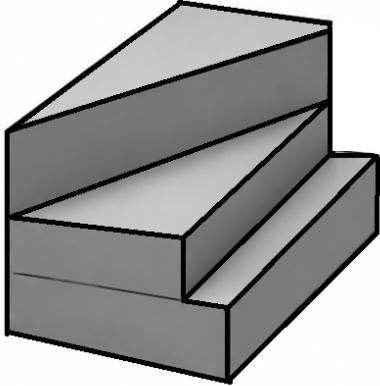
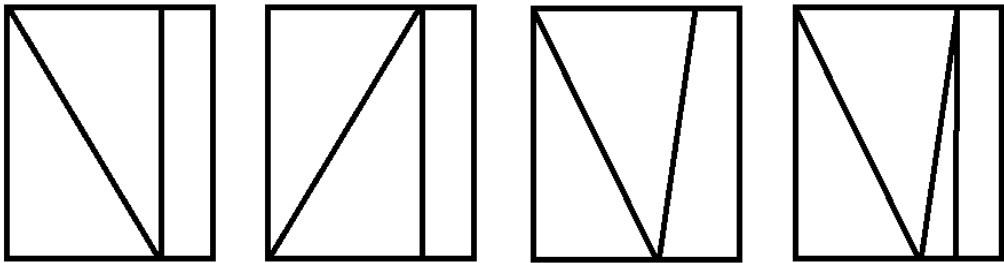
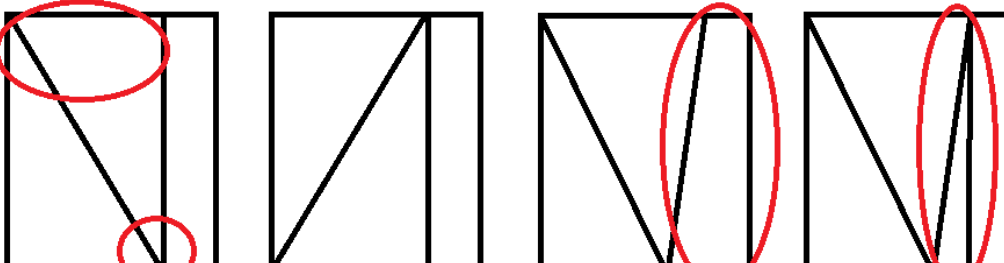
Q.No	Visual Reasoning	Type :MCQ
22	Identify Correct 'Top view from the given image?	

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	 ABCD			
Options	A.	B.	C.	D.
Correct Ans	B.			
Explanation	 ABCD			

Q.No	Visual Reasoning	Type :MCQ
23	Identify Correct 'Top view from the given image?	

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	 ABCD			
Options	A.	B.	C.	D.
Correct Ans	B.			
Explanation	 ABCD			

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Q.No	Visual Reasoning			Type :MCQ
24	A regular hexagonal pyramid is sliced by a plane passing through the centre of its axis. How many additional edges are created in the resulting section?			
Options	A.4	B.5	C. 6	D. 7
Correct Ans	C. 6			
Explanation	A regular hexagonal pyramid has a hexagonal base with 6 triangular lateral faces. A plane passing through the centre of the axis cuts all six lateral faces, creating a hexagonal cross-section. Each side of this cross-section is a new edge formed by the intersection of the plane with a face. Therefore, the number of additional edges created = 6.			

Q.No	Visual reasoning			Type :MCQ
25	A regular hexagon, when tessellated, shares how many vertices with each adjacent hexagon?			
Options	A.1	B.2	C. 3	D. 4
Correct Ans	B.2			
Explanation	A regular hexagon has 6 sides and 6 vertices. In a tessellation, hexagons fit together without gaps or overlaps. Each neighboring hexagon shares one side, which means 2 common vertices.			