Visual Reasoning Workshop

Visual 25 questions
Time test 1: 18 minutes
Time Test 2: 40 mins

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G Strategy
10 second rule
30 second rule One Man army, PP Public Poll

Find the odd man out of the following questions.

From amongst the figures marked (1), (2), (3) and (4), select the figure which satisfies the same conditions of placement of the dots as in figure (X). Mark (5) if there is no match at all.

1.

2.

Find the next time in the series below:

1.

2.

3.

4.

5.

Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

1.

A. 524   B. 125   C. 235   D. 245   E. None of these

2.

3.

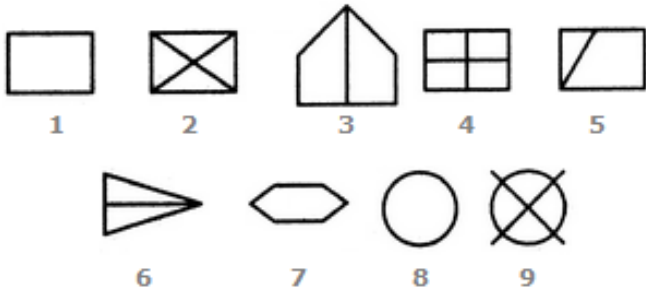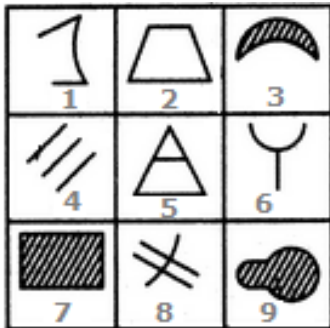In each of the following questions, group the given figures into three classes using each figure only once. Mark (5) if there is no match.

1.

A.   1,2,4 ; 3,5,6 ; 7,8,9
B.   1,7,8 ; 3,5,6 ; 2,4,9
C.   1,3,4 ; 2,8,9 ; 5,6,7
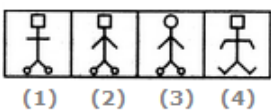D.   1,7,8 ; 2,3,6 ; 4,5,9
E.   None of these
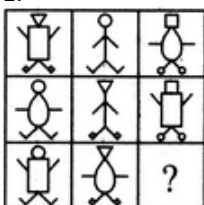
2.
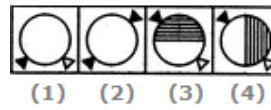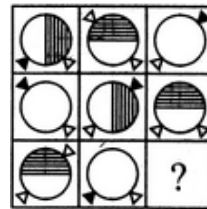

A.   1,3,6 ; 4,5,8 ; 2,7,9
B.   2,3,9 ; 4,5,8 ; 1,6,7
C.   1,6,8 ; 3,7,9 ; 2,4,5
D.   3,8,9 ; 1,2,7 ; 4,5,6
E.   None of these

In each of the following questions, find out which of the answer figures (1), (2), (3) and (4) completes the figure matrix ? Select a suitable figure from the four alternatives that would complete the figure matrix Mark (5) if none of these.
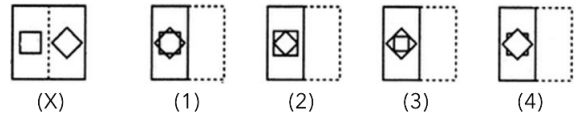
1.

2.

In each of the following problems, a square transparent sheet (X) with a pattern is given. Figure out from amongst the four alternatives as to how the patter would appear when the transparent sheet is folded at the dotted line.
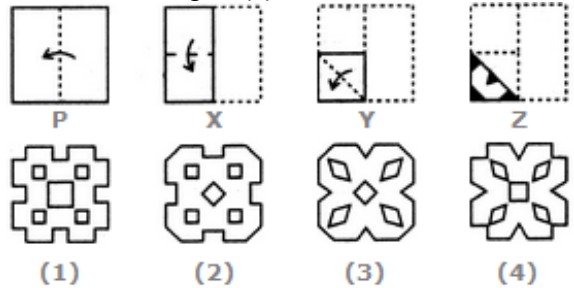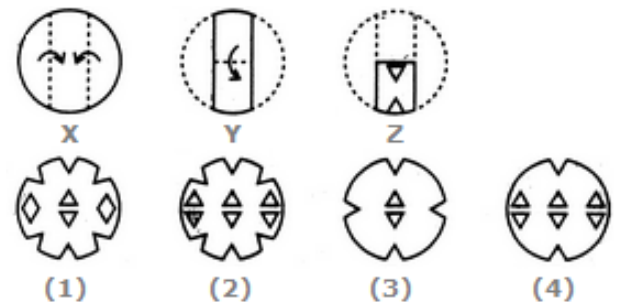
1.

2.

Choose a figure which would most closely resemble the unfolded form of Figure (Z).

1.

2.
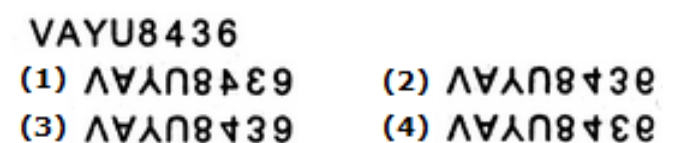

Choose the alternative which is closely resembles the image of the given combination.
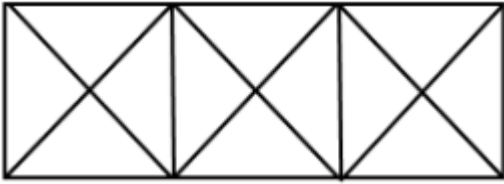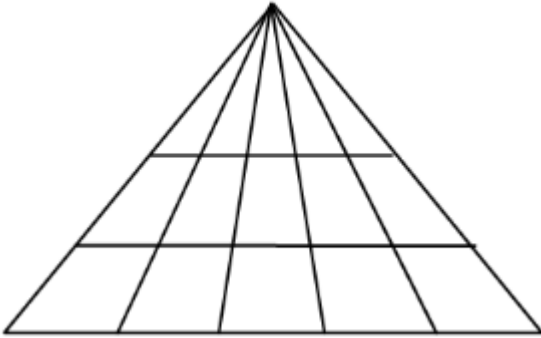
1.

VAYU8436
(1) ΛＶＡＵ８４Ɛ9   (2) ΛＶＡＵ8Ɐ3ℇ
(3) ΛＶＡＵ8Ɐ39   (4) ΛＶＡＵ8Ɐ Ɛℇ

2.

(X) (1) (2) (3) (4)

Find Triangles Rectangles & Squares

1.

2.

Visual Reasoning Workshop

Odd man out

1. Answer 3: Except 3, all other figure have 3 unshaded and one shaded leaves.
2. Answer 4: In all 4 elements direction of sector is same as arrow
3. Answer 3: Direction of arrow in figure 2 and 3 are same.
4. Answer 4: Figure (4) has a rectangle in place of a '+' sign.
5. Answer 5: two arrows point towards left and one arrow points towards right.

Dot Concept Visual Abstract

1. (1) In fig. (X), one of the dots lies in the region common to the circle and the square only, another dot lies in the region common to the square, the triangle and the rectangle only and the third dot lies in the region common to the square and the rectangle only. In fig. (2) there is no region common to the square and the rectangle only, in fig. (3) there is no region common to the circle and the square only and in fig. (4) there is no region common to the square, the triangle and the rectangle only. Only fig. (1) consists of all the three types of regions.
2. (4) In fig. (X), one of the dots lies in the region common to the circle and the square only, another dot lies in the region common to the square, the triangle and the rectangle only and the third dot lies in the region common to the triangle and the rectangle only. In each of the figures (1), (2) and (3) there is no region common to the square, the triangle and the rectangle only. Only fig. (4) consists of all the three types of regions.

Series

1. Answer 4: Similar figure repeated in 4th step. Half arrow in right side rotate 180deg
2. Answer 2: One and two arcs beginning from lower end change directions alternately
3. Answer 3: Figure rotate by 90 deg CW. Dots and arrows decrease by 1
4. Answer 4: In each step, the CW-end element moves to the ACW- end position.
5. Answer 2: Two and one lines are removed from RHS and added to LHS.

Figure Completion

1. Answer: Option B

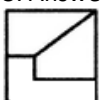2. Answer: Option C

3. Answer: Option C

Image Grouping

1. **Answer:** Option **B**
1, 7, 8 are all undivided geometrical figures.
3, 5, 6 are geometrical figures divided into two parts.
2, 4, 9 are geometrical figures divided into four parts.

2. **Answer:** Option **C**
1, 6, 8 are figures composed of straight as well as curved lines.
3, 7, 9 are closed figures shaded by oblique line segments.
2, 4, 5 are figures composed of straight lines only.

Grouping

1. **Answer:** Option **B**
There are 3 types of faces, 3 types of bodies, 3 types of hands and 3 types of legs, each of which is used only once in a single row. So, the features which have not been used in the first two figures of the third row would combine to produce the missing figure.

2. **Answer:** Option **D**
In each row, there are 3 types of shadings of circles - a circle is unshaded, another circle has its right half shaded with vertical lines and yet another circle has its upper half shaded with horizontal lines. There are three specified positions of the two triangles each of which is used only once in a row. Also, two of the figures in each row have one triangle shaded.

Paper folding
1. Correct answer (1)
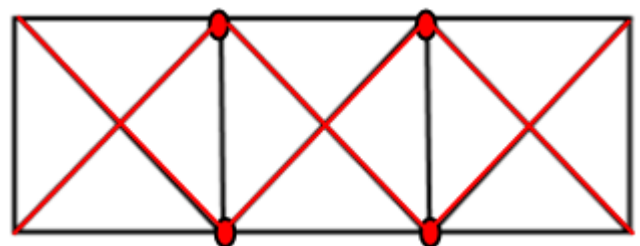2. Correct answer (2)

Paper Unfolding:
1. Correct answer (3)
2. Correct answer (4)

Water Mirror Image
1. Correct answer (2)
2. Correct answer (3)

Counting of Triangles

1. The number of triangles in the separate squares are = 3 · 8 = 24

Other than this, we have four more triangles drawn above.
So, the total number of triangles = 24 + 4 ==> 28

3. Number of rows = 3. Sum of numbers in each row = 1 + 2 + 3 + 4 + 5 = 15. Number of triangles in the picture = 3(15) = 45. So, the total number of triangles in the picture given above is 45.