Grouping of Images

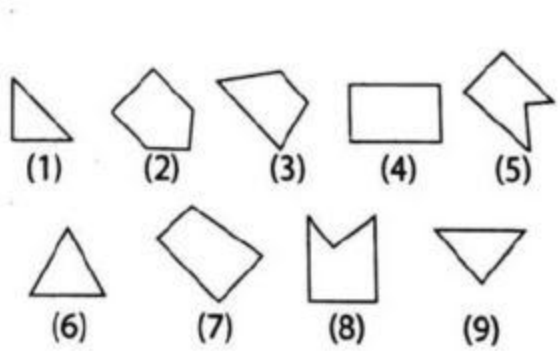
In this type of questions, you are given a set of usually 6, 7 or 9 etc. figures, which are numbered. The candidate is required to analyse these figures and classify them into groups consisting of figures having more or less the same properties.

The candidate is required to analyse these figures and classify them into groups consisting of figures having more or less than the same properties. The best answer is to be selected from a given set of fairly close alternatives.

Part A

Directions: In each of the following questions, group the given figures into three classes using each figure only once.

Example 1: Problem Figure:



A. (7, 8, 9) (2, 4, 3) (1, 5, 6)

B. (1, 3, 3) (4, 5, 7) (6, 8, 9)

C. (1, 6, 8) (3, 4, 7) (2, 5, 9)

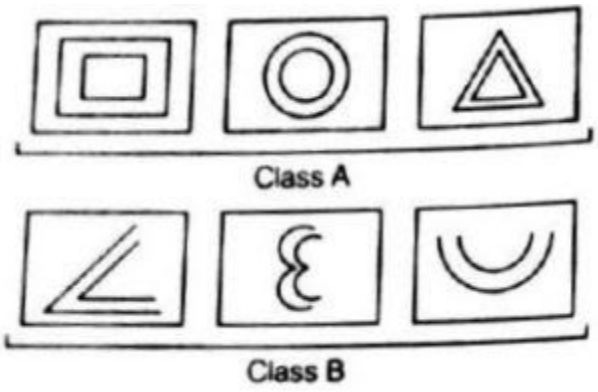
D. (1, 6, 9) (3, 4, 7) (2, 5, 8)

E. none of the above

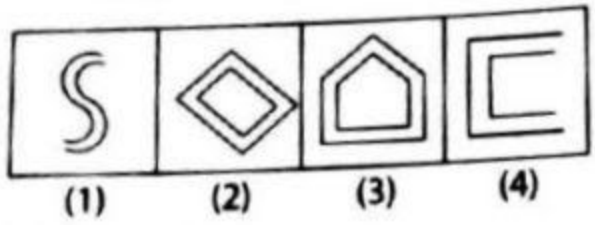
Answer: The figures (1), (6) and (9) are all triangles while the figures (3), (4) and (7) are all quadrilaterals. Also, the figures (2), (5) and (8) are all pentagons. So these groups are identical and the correct answer is thus D.

Directions: There are two classes of three figures each. Class ‘A’ figures differ in a certain way from the figures in class ‘B’. Which of the four answer figures belong to class ‘A’?

Example 2: Problem Figure:



Answer Figures:



A. Both (1) and (3)

B. (1) and (2) both

C. Both (2) and (4)

D. (2) and (3) only

E. none of the above

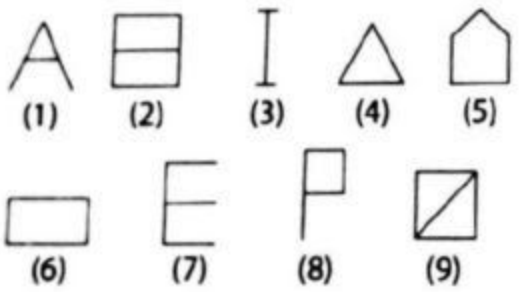
Answer: The answer here is very simple. Each figure in class A consists of two similar closed figures, which are placed one inside the other. Therefore the answer is that (2) and (3) both are correct and the correct option is D. (2) and (3) only.

Let us see more solved examples on the Grouping of Figures.

Part B

Example 3: In the following question, group the given figures into three classes using each figure only once.

Problem Figure:



A. (1, 3, 4) (2, 5, 9) (6, 7, 8)

B. (1, 2, 3) (4, 5, 6) (7, 8, 9)

C. (1, 5, 9) (2, 4, 7) (3, 6, 8)

D. (3, 7, 8) (1, 6, 5) (4, 2, 9)

E. none of the above

Answer: If we start grouping the figures on the basis of sides, we have:

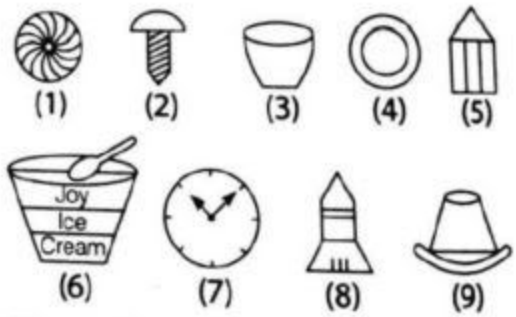
The figures that are made by three lines are (1, 3, 4)

Also, the figures which are made by four lines are (6, 7, 8)

Similarly, the figures made by the five lines are (2, 5, 9). These three groups are present in the option A. Thus the answer is A.

Example 4: In the following question, group the given figures into three classes using each figure only once.

Problem Figure:



A. (1, 4, 7) (2, 5, 8) (3, 6, 9)

B. (1, 3, 6) (2, 5, 8) (4, 7, 9)

C. (1, 2, 4) (3, 5, 8) (6, 7, 9)

D. (1, 4, 9) (2, 5, 8) (3, 6, 7)

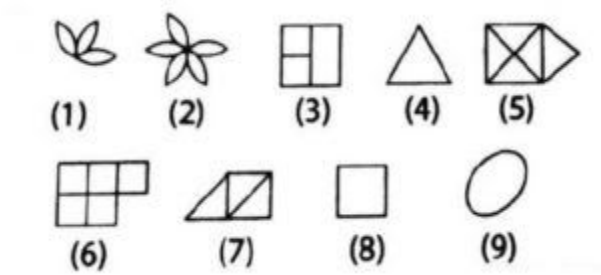
E. none of the above

Answer: There are figures that have one small and one big circle are figure 1, figure 4, and figure 7. Figures which have one sharp point are the figure2, figure 5, and figure 8. Also, the figures that have shapes like buckets are the figure 3, figure 6, and figure 9.

Part C

Example 5: In the following question, group the given figures into three classes using each figure only once.

Problem Figure:



A. (1, 2, 3) (4, 8, 9) (5, 7, 6)

B. (4, 5, 7) (3, 1, 2) (7, 8, 9)

C. (1, 2, 7) (8, 9, 4) (2, 3, 6)

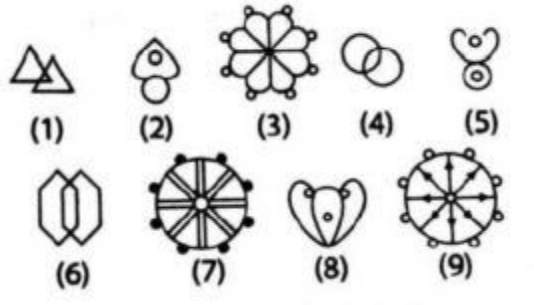
D. (3, 5, 6) (8, 7, 4) (9, 1, 2)

E. none of the above

Answer: The figures 1, 3 and 7 have three petals.three rectangles and three triangles respectively. So, they should be grouped in one group figures 4, 8 and 9 have one triangle, one rectangle and one circle respectively. So, they should be grouped into one group. On the other hand, the figures between 2, 5 and 6 have five petals, five triangles and five squares, respectively. So, they should be grouped into one group. Therefore the correct answer is C. (1, 2, 7) (8, 9, 4) (2, 3, 6).

Example 6: In the following question, group the given figures into three classes using each figure only once.

Problem Figure:



A. (1, 4, 8) (2, 5, 7) (3, 9, 6)

B. (1, 4, 6) (2, 5, 8) (3, 7, 9)

C. (1, 4, 6) (2, 5, 7) (3, 8, 9)

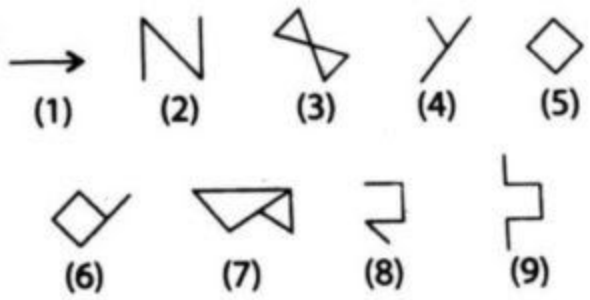
D. (1, 2, 3) (4, 5, 6) (7, 8, 9)

Answer: The figures 1, 4 and 6 have two triangles, two circles and two hexagons, respectively. Figures 2, 5 and 8 are similar in shape. In figures 3, 7 and 9 there are eight small circles around a big circle. Now let us move on to more solved examples on the Grouping of Figures.

Part D

Example 7: In the following question, group the given figures into three classes using each figure only once.

Problem Figure:



A. (1, 5, 6) (2, 3, 4) (7, 8, 9)

B. (1, 2, 4) (3, 5, 8) (6, 7, 9)

C. (5, 6, 7) (1, 2, 4) (3, 8, 9)

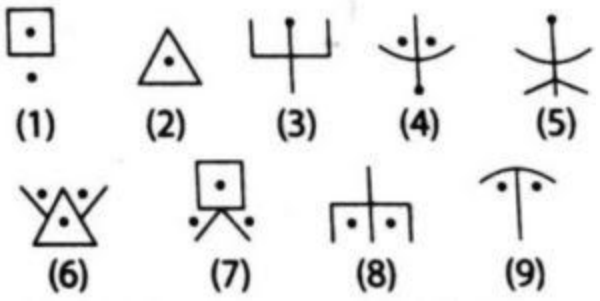
D. (1, 2, 4) (3, 5, 7) (6, 8, 9)

E. none of the above

Answer: In the question figure we see that the figures that we label 1, 2 and 4 all consist of three lines. Also, the figures 3, 5 and 8 all consist of four lines each. Similarly, we can see that the figures 6, 7 and 9 all consist of five lines. Therefore this gives us the grouping of the figures. Thus the correct option is B.

Example 8: In the following question, group the given figures into three classes using each figure only once.

Problem Figure:



A. (1, 7, 8) (2, 6, 5) (3, 4, 9)

B. (1, 8, 9) (2, 3, 5) (4, 6, 7)

C. (2, 3, 5) (1, 7, 8) (4, 6, 9)

D. (2, 6, 7) (1, 3, 4) (5, 8, 9)

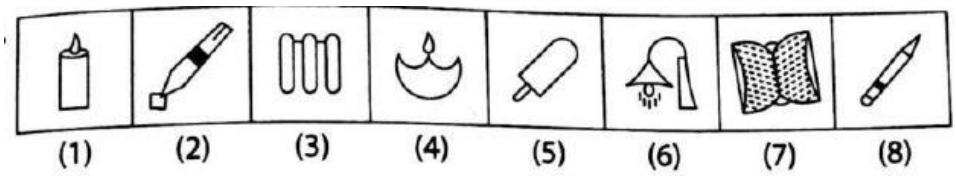
E. none of the above

Answer: As is clear from the question figure, the figures 2, 3 and 5 have one point or in other words, we can say that they are a one-pointed system. Also, we can see that the figures 1, 8 and 9 are made up of four lines. Below we have some practice problems on the Grouping of Figures.

Problems For Practice

In the below question, a series of figures is given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.

Problem Figure



A. (146, 35, 278)

B. (258, 138, 46)

C. (37, 145, 258)

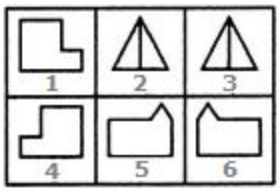
D. (258, 16, 47)

E. none of the above

Ans: A. (146, 35, 278)

Grouping of Images Question and Answer:

1. Group the given figures into three classes using each figure only once.



A. 1,4 ; 2,3 ; 5,6

B. 1,5 ; 2,6 ; 4,3

C. 1,6 ; 2,3 ; 4,5

D. 1,2 ; 3,6 ; 4,5

Answer: Option **A**

Explanation:

(1, 4), (2, 3) and (5, 6) are three different pairs of identical figures.

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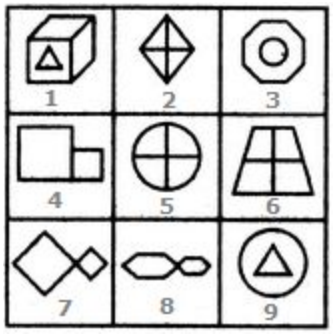
2. Group the given figures into three classes using each figure only once.



A. 1,3,9 ; 2,5,6 ; 4,7,8

B. 1,3,9 ; 2,7,8 ; 4,5,6

C. 1,2,4 ; 3,5,7 ; 6,8,9

D. 1,3,6 ; 2,4,8 ; 5,7,9

Answer: Option **A**

Explanation:

1, 3, 9 have one element placed inside a different element.

2, 5, 6 contain two mutually perpendicular lines dividing the figure into four parts.

4, 7, 8 have two similar elements (unequal in size) attached to each other.

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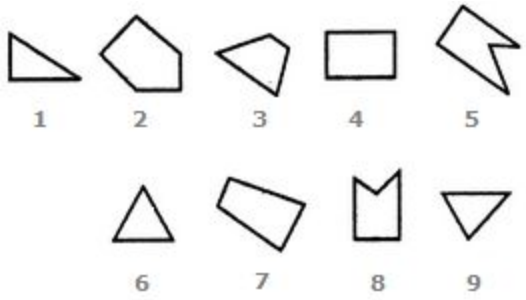
3. Group the given figures into three classes using each figure only once.



A. 7,8,9 ; 2,4,3 ; 1,5,6

B. 1,3,2 ; 4,5,7 ; 6,8,9

C. 1,6,8 ; 3,4,7 ; 2,5,9

D. 1,6,9 ; 3,4,7 ; 2,5,8

Answer: Option **D**

Explanation:

1, 6, 9, are all triangles.

3, 4, 7 are all four-sided figures.

2, 5, 8 are all five-sided figures.

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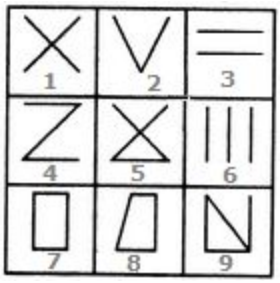
4. Group the given figures into three classes using each figure only once.



A. 1,2,3 ; 4,5,6 ; 7,8,9

B. 1,3,5 ; 2,4,6 ; 7,8,9

C. 1,5,9 ; 3,6,2 ; 4,7,8

D. 1,9,7 ; 2,8,5 ; 3,4,6

Answer: Option **A**

Explanation:

1, 2, 3 are figures composed of two straight lines.

4, 5, 6 are figures composed of three straight lines.

7, 8, 9 are figures composed of four straight lines.

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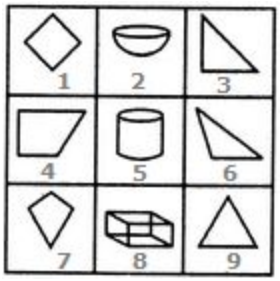
5. Group the given figures into three classes using each figure only once.



A. 1,4,7 ; 2,5,8 ; 3,6,9

B. 1,4,7 ; 2,5,9 ; 3,6,7

C. 1,3,4 ; 2,5,8 ; 6,7,9

D. 1,2,3 ; 4,5,6 ; 7,8,9

Answer: Option **A**

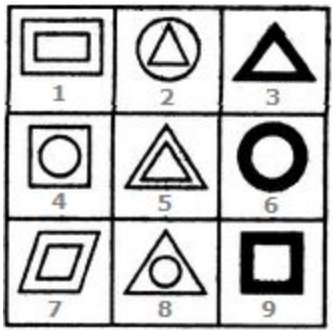
Explanation:

1, 4, 7 are all (two-dimensional) quadrilaterals.

2, 5, 8 are all three-dimensional figures.

3, 6, 9 are all (two-dimensional) triangles.

6. Group the given figures into three classes using each figure only once.



A. 1,5,7 ; 2,4,6 ; 3,9,8

B. 1,5,7 ; 2,4,8 ; 3,6,9

C. 1,4,7 ; 2,5,8 ; 3,6,9

D. 1,7,9 ; 3,5,8 ; 2,4,6

Answer: Option **B**

Explanation:

1, 5, 7 have two similar elements, one inside the other.

2, 4, 8 have one element placed inside a different element.

3, 6, 9 have two similar elements, one inside the other and the area between the two elements is shaded.

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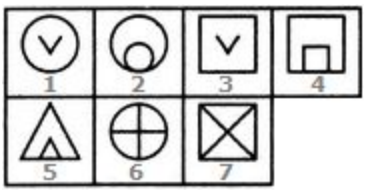
7. Group the given figures into three classes using each figure only once.



A. 1,2,6 ; 3,4,7 ; 5

B. 1,3 ; 2,6 ; 4,5,7

C. 1,2,6,7 ; 3 ; 4,5

D. 1,3 ; 2,4,5 ; 6,7

Answer: Option **D**

Explanation:

1, 3 contain a V-shaped element inside a geometrical figure.

2, 4, 5 contain two similar elements, one placed inside the other and touching it.

6, 7 contain geometrical figures which are divided into four equal parts by two mutually perpendicular straight lines.

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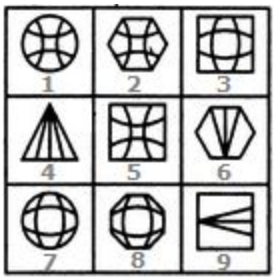
8. Group the given figures into three classes using each figure only once.



A. 1,2,5 ; 3,7,8 ; 4,6,9

B. 1,7,2 ; 3,9,6 ; 4,5,8

C. 2,3,8 ; 4,6,9 ; 1,5,7

D. 5,6,9 ; 3,4,1 ; 2,7,8

Answer: Option **A**

Explanation:

1, 2, 5 are figures that have patterns formed from four lines curved in a concave direction.

3, 7, 8 are figures that have patterns formed from four lines curved in a convex direction.

4, 6, 9 are figures that have patterns formed from these straight lines.

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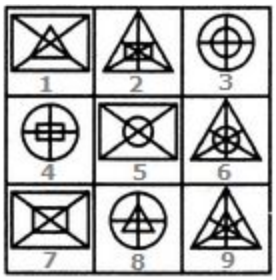
9. Group the given figures into three classes using each figure only once.



A. 2,4,7 ; 1,8,9 ; 3,5,6

B. 2,6,9 ; 1,5,7 ; 3,4,8

C. 2,6,7 ; 1,5,8 ; 3,4,9

D. 2,8,7 ; 1,5,9 ; 3,4,6

Answer: Option **B**

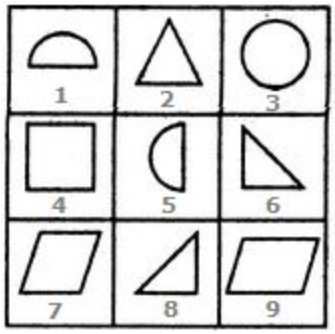
Explanation:

1, 5, 7 contain a rectangle with its two diagonals as the outer element and another element (similar or different) placed inside it.

2, 6, 9 contain a triangle with its three medians as the outer element and another element (similar or different) placed inside it.

3, 4, 8 contain a circle with its two mutually perpendicular diameters as the outer element and another element (similar or different) placed inside it.

10. Group the given figures into three classes using each figure only once.



A. 1,3,5 ; 2,6,9 ; 4,7,8

B. 2,3,4 ; 5,6,8 ; 9,1,7

C. 1,3,5 ; 2,6,8 ; 4,7,9

D. 3,2,4 ; 6,5,8 ; 7,9,1

Answer: Option **C**

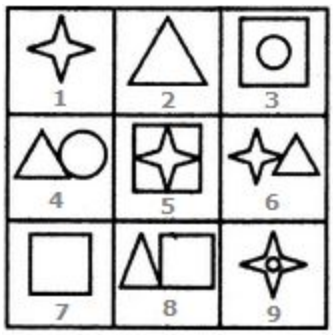
Explanation:

1, 3, 5 are figures having partially or completely curved boundaries.

2, 6, 8 are all triangles.

4, 7, 9 are all quadrilaterals.

11. Group the given figures into three classes using each figure only once.



A. 3,4,9 ; 5,7,8 ; 1,2,6

B. 1,5,6 ; 2,4,8 ; 3,7,9

C. 4,6,8 ; 3,5,7 ; 1,2,9

D. 1,2,7 ; 3,5,9 ; 4,6,8

Answer: Option **D**

Explanation:

1, 2, 7 are simple geometrical figures.

3, 5, 9 have one element placed inside a different element.

4, 6, 8 have two different elements attached to each other.

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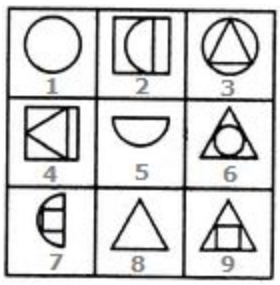
12. Group the given figures into three classes using each figure only once.



A. 1,5,8 ; 3,4,7 ; 2,6,9

B. 1,3,6 ; 4,5,9 ; 2,7,8

C. 1,3,6 ; 2,5,7 ; 4,8,9

D. 6,7,8 ; 1,3,7 ; 2,4,9

Answer: Option **C**

Explanation:

1, 3, 6 contain one complete circle each.

2, 5, 7 contain a semi-circle each.

4, 8, 9 contain a triangle each.

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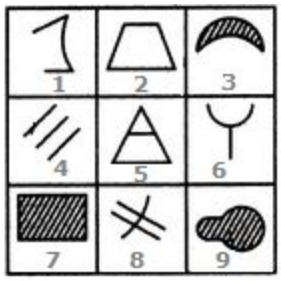
13. Group the given figures into three classes using each figure only once.



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

Answer: Option **C**

Explanation:

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.

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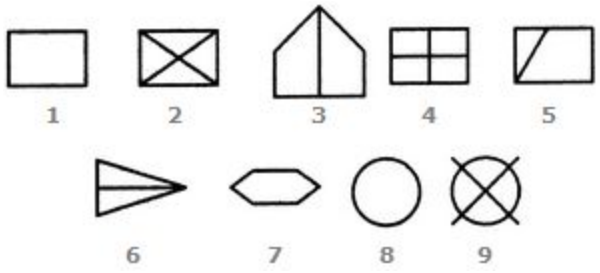
14. Group the given figures into three classes using each figure only once.



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

Answer: Option **B**

Explanation:

1, 7, 8 are all undivided geometrical figures.

3, 5, 6 are geometrical figures divided into two parts.

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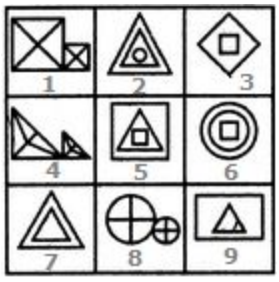
15. Group the given figures into three classes using each figure only once.



A. 1,3,7 ; 2,4,6 ; 5,8,9

B. 1,4,6 ; 2,5,7 ; 3,8,9

C. 1,4,8 ; 2,5,6 ; 3,7,9

D. 1,4,8 ; 2,7,9 ; 3,5,6

Answer: Option **C**

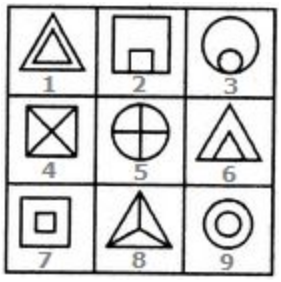
Explanation:

1, 4, 8 contain similar elements (not equal in size) each divided into four parts and attached to each other.

2, 5, 6 contain three elements (two of which are similar) placed one inside the other.

3, 7, 9 contain one element inside the other, which may or may not be similar.

16. Group the given figures into three classes using each figure only once.



A. 1,7,9 ; 2,3,6 ; 4,5,8

B. 1,2,9 ; 3,4,6 ; 5,7,8

C. 1,6,8 ; 2,4,7 ; 3,5,9

D. 1,7,8 ; 2,9,3 ; 6,4,5

Answer: Option **A**

Explanation:

1, 7, 9 contain two similar elements one inside the other but not touching each other.

2, 3, 6 contain two similar elements one inside the other and both touching each other.

4, 5, 8 are divided into equal parts by straight lines emerging from the centre.

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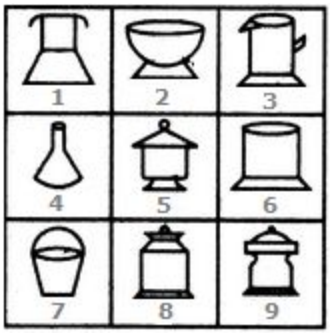
17. Group the given figures into three classes using each figure only once.



A. 1,4,7 ; 2,5,9 ; 3,8,6

B. 2,6,9 ; 1,4,7 ; 5,8,3

C. 1,4,7 ; 2,3,6 ; 5,8,9

D. 3,5,1 ; 4,7,8 ; 6,2,9

Answer: Option **C**

Explanation:

5, 8, 9 are objects having both base as well as upper lid.

2, 3, 6 are objects having base but not upper lid.

1, 4, 7 tare objects which have neither a base nor an upper lid attached to them.

---

18. Group the given figures into three classes using each figure only once.

A. 1,5,8 ; 2,6,7 ; 3,4,9

B. 1,5,7 ; 2,6,8 ; 3,4,5

C. 1,5,8 ; 2,4,7 ; 3,6,9

D. 1,5,8 ; 2,6,9 ; 3,4,7

Answer: Option **C**

Explanation:

3, 6, 9 are geometrical figures containing line segments (the number of these line segments is half the number of sides in the figure) parallel to the sides of the figure.

1, 5, 8 consist of a circle and a triangle intersecting it. The triangle is also divided into two equal parts by a straight line.

2, 4, 7 are all funnel shaped figures.

---

19. Group the given figures into three classes using each figure only once.

A. 2,4,7 ; 1,6,9 ; 3,5,8

B. 1,3,5 ; 2,6,7 ; 4,8,9

C. 1,5,7 ; 2,3,6 ; 4,8,9

D. 1,3,5 ; 2,4,7 ; 6,8,9

Answer: Option **A**

Explanation:

1, 6, 9 are figures which are half shaded by slanting lines.

2, 4, 7 are all divided into equal parts (either three or four parts) by straight lines and also have a black circle at the centre.

3, 5, 8 have similar designs and have their four corners shaded black.

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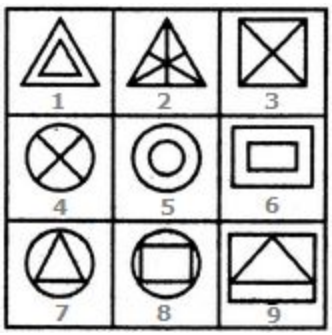
20. Group the given figures into three classes using each figure only once.



A. 1,2,3 ; 4,5,8 ; 6,7,9

B. 1,5,6 ; 2,3,4 ; 7,8,9

C. 1,3,5 ; 2,4,8 ; 6,7,9

D. 1,4,7 ; 2,5,8 ; 3,6,9

Answer: Option **B**

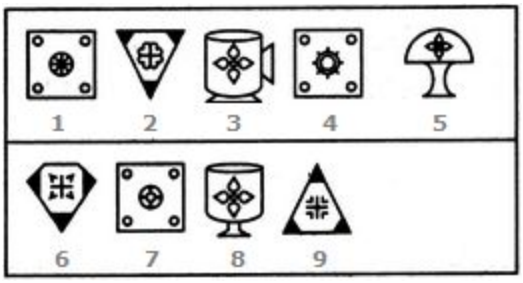
Explanation:

1, 5, 6 have two similar elements, one inside the other.

2, 3, 4 contain straight lines each dividing, the figure into two equal parts.

7, 8, 9 have one element placed inside a different element.

21. Group the given figures into three classes using each figure only once.



A. 1,4,7 ; 3,6,9 ; 2,5,8

B. 1,6,9 ; 2,4,7 ; 3,5,8

C. 1,4,7 ; 2,6,9 ; 3,5,8

D. 1,5,7 ; 2,6,9 ; 3,4,8

Answer: Option **C**

Explanation:

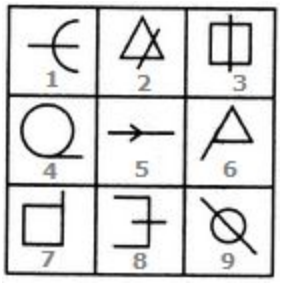
3, 5, 8 have similar designs (four leaves placed close to a small circle and forming a symmetrical design at the centre of the figure).

2, 6, 9 have similar designs (three of the corners of the main figure are shaded black and there is a pattern formed around a '+' sign at the centre of the figure).

1, 4, 7 have similar designs (there are four small circles at(the corners of the main figure and there is a wheel shaped element at the centre of the figure).

---

22. Group the given figures into three classes using each figure only once.



A. 1,3,9 ; 2,5,8 ; 4,6,7

B. 1,5,8 ; 4,6,7 ; 2,3,9

C. 2,5,9 ; 1,3,8 ; 2,6,7

D. 1,8,9 ; 4,6,7 ; 2,3,5

Answer: Option **B**

Explanation:

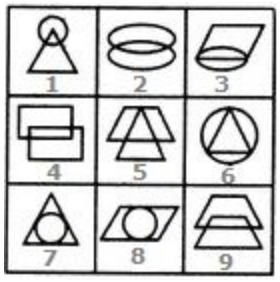
1, 5, 8 are all open figures bisected by a line segment.

4, 6, 7 are all closed figures touching a line segment.

2, 3, 9 are all closed figures intersected by a line.

---

23. Group the given figures into three classes using each figure only once.



A. 1,5,9 ; 2,7,8 ; 3,4,6

B. 1,5,6 ; 4,7,8 ; 2,3,9

C. 2,4,9 ; 6,7,8 ; 1,3,5

D. 3,7,8 ; 4,5,9 ; 1,2,6

Answer: Option **C**

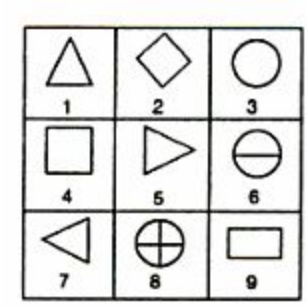
Explanation:

2, 4, 9 have two similar elements intersecting each other.

6, 7, 8 have two different elements one placed inside the other.

1, 3, 5 have two different elements intersecting each other.

24 : Group the following figures into three classes with identical properties and select the correct alternative



(a) 1,5,8;2,4,7;3,6,9

(b) 1,4,7;2,5,8;3,6,9

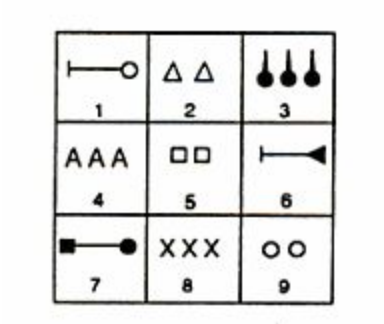
(c) 1,5,7;2,4,9;3,6,8

(d) 1,5,7;3,4,9;2,6,8

Solution: Here, figures 1, 5, 7 contain similar properties. Fig.2, 4 and 9 are similar as they are made of four straight lines. Similarly, Figures 3, 6, and 9 contain a circle as a base.

Hence, (c) in the answer.

25 : Group the following figures into three classes with identical properties and select the correct alternative.



(a) 1,2,3;6,5,4;7,9,8

(b) 1,6,7;2,5,9;3,4,8

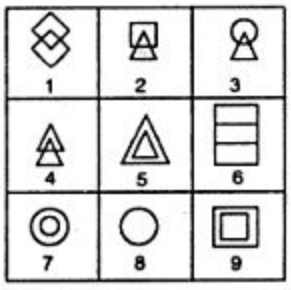
(c) 1,6,7;2,5,8;3,4,9

(d) 1,3,7;2,5,9;4,6,8.

Solution: Here, we observe that the figure 1,6,7 have only elements, the figures 2,5 and 9 have two elements while figures 3,4 and 8 consist of three elements.

Hence, (b) is the correct alternative.

26 . Group the following figures with identical properties into three classes and select the correct alternative.



(a) 1,4,6;3,5,8;2,7,9

(b) 1,4,8;2,3,6;5,7,9

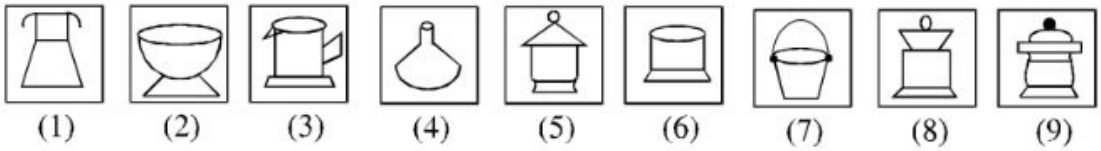
(c) 4,5,6;2,3,8;1,7,9

(d) 1,4,6;2,3,8;5,7,9

Solution: Clearly, in figures 1, 4, 6, two similar figures intersect each other. In figures 2, 3, 8, two dissimilar figures intersect each other. In rest of the figures, i.e., in 5, 7, 9 one similar figure in enclosed into another similar figure.

Hence, (d) is the answer.

27. A series of figures is given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.



1. 1, 4, 7, 2, 5, 9, 3, 8, 6
2. 2, 6, 9, 1, 4, 7, 5, 8, 3
3. 1, 4, 7, 2, 3, 6, 5, 8, 9
4. 3, 5, 1, 4, 7, 8, 6, 2, 9

Answer

Correct Option: C

Figures (1), (4) and (7) : Different types of pots

Figures (2), (3) and (6) : Pot with base and without lid

Figures (5), (8) and (9) : Pot with Lid

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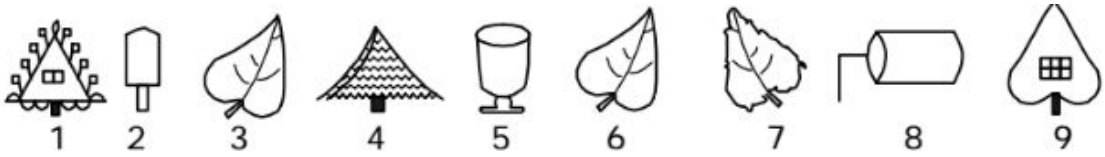
29. In question, a series of figures are given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.



1. 1, 4, 9; 2, 5, 8; 3, 6, 7
2. 2, 5, 8; 1, 4, 6; 3, 7, 9
3. 3, 6, 7; 2, 5, 8; 1, 2, 9
4. 2, 5, 8; 3, 6, 9; 4, 6, 7

Answer

Correct Option: A

As per the given above figures , we get

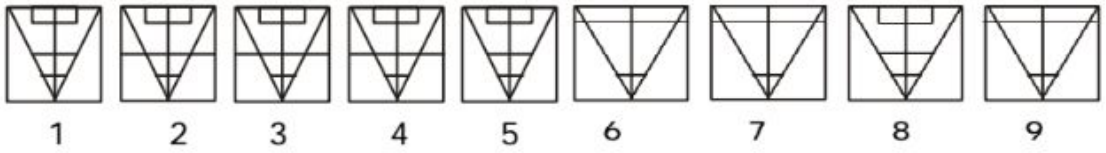
Figures (1), (4) and (9): More or less triangular designs

Figures (2), (5) and (8): Design with curved

Figures (3), (6) and (7): Leaves

---

30. A series of figures are given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.



1. 1, 2, 3; 4, 5, 8; 6, 9, 7
2. 1, 2, 5; 3, 4, 8; 6, 7, 9
3. 1, 2, 6; 3, 4, 7; 5, 6, 9
4. 1, 5, 8; 2, 3, 4; 6, 7, 9

Answer

Correct Option: D

As per the given above figures , we can see that
Figures (1), (5) and (8) are similar.
Figures (2), (3) and (4) are similar.
Figures (6), (7) and (9) are similar.

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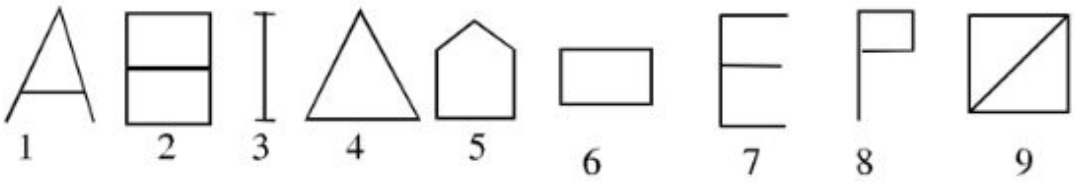
31. A series of figures are given which can be grouped into classes. Select the group into which the figures can be classified.



1. 1,3,4 2,5,9 6,7,8
2. 1,2,3 4,5,6 7,8,9
3. 1,5,9 2,4,7 3,6,8
4. 3,7,8 1,6,5 4,2,9

Answer

Correct Option: A

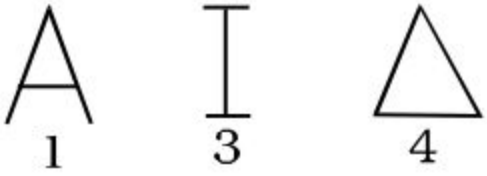
As we can see that ,

Figures (1), (3) and (4) : having three sides .

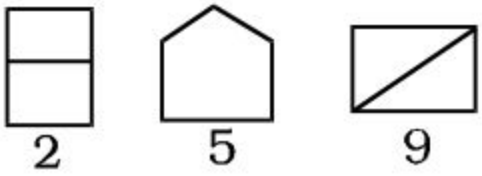
Figures (2), (5) and (9) : having five sides .

Figures (6), (7) and (8) : having four sides .

As shown in given below .



Figures having three sides.



Figures having five sides.

Figures having four sides

---

32. A series of figures are given which can be grouped into classes. From the responses, select the groups into which the figures can be classified.

1. 1, 4, 7; 2, 5, 8; 3, 6, 9
2. 1, 4, 5; 2, 6, 8; 3, 7, 9
3. 1, 7, 9; 3, 5, 8; 2, 4, 6
4. 1, 6, 9; 2, 5, 8; 3, 4, 7

Answer

Correct Option: A

As we can see that ,

Figures 1, 4 and 7 → Vessels with lids

Figures 2, 5 and 8 → Kettle like vessels

Figure 3, 6 and 9 → Flowers

33. A series of figures is given which can be grouped into classes. Select the group into which the figure can be classified from the given responses.

1. 1, 4, 6; 2, 5, 7; 3, 8, 9
2. 1, 2, 4; 5, 6, 7; 3, 8, 9
3. 1, 4, 6; 3, 8, 7; 2, 5, 9
4. 1, 2, 6; 4, 7, 9; 3, 5, 8

Answer

Correct Option: A

As per the given series of figures, which can be classified as:-

Figures 1, 4 and 6 → Spherical Shapes

Figures 2, 5 and 7 → Show similarity

Figures 3, 8 and 9 → Similar designs intersect one another

---

34. A series of figures are given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.

1. 1, 4, 5; 2, 6, 8; 3, 7, 9
2. 1, 3, 7; 4, 6, 9; 2, 5, 8
3. 1, 3, 7; 2, 5, 8; 4, 6, 9
4. 1, 3, 8; 2, 5, 7; 4, 6, 9

Answer

Correct Option: D

As per the given series of figures, which can be classified as:-

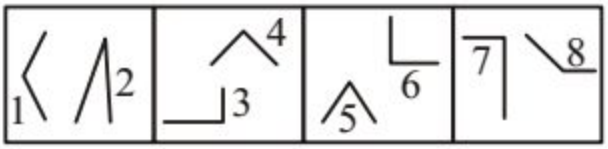
Figures 1, 3 and 8 ⇒ One big design and one smaller shaded design.

Figures 2, 5 and 7 ⇒ Each design has a black dot.

Figures 4, 6 and 9 ⇒ Two similar designs

---

35. A series of figures are given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.



1. 2, 4, 5, 7; 1, 3, 6, 8
2. 1, 4, 5, 8; 2, 3, 6, 7
3. 2, 3, 5, 7; 1, 4, 6, 8
4. 1, 2, 5, 8; 3, 4, 6, 7

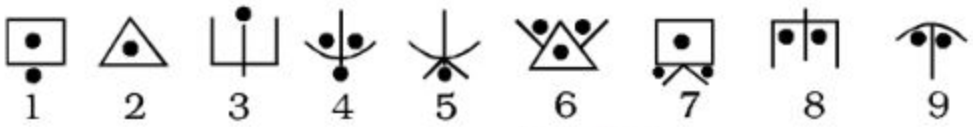
Answer

Correct Option: D

As per the given series of figures, which can be classified as:-
The figures 1, 2, 5, and 8 are either acute or obtuse angles.
The figures 3, 4, 6 and 7 are right angles.

Direction: A series of figures are given which can be grouped into classes. Select the groups into which the figures can be classified from the given responses.

36. '



1. 1, 7, 8; 2, 6, 5; 3, 4, 9
2. 1, 8, 9; 2, 3, 5; 4, 6, 7
3. 2, 3, 5; 1, 7, 8; 4, 6, 9
4. 2, 6, 7; 1, 3, 4; 5, 8, 9

Answer

Correct Option: B

On the basis of above given series of figures, which can be classified as:-

Figures (1), (8) and (9); Two black dots

Figures (2), (3) and (5): One black dot

Figures (4), (6) and (7): Three black dots

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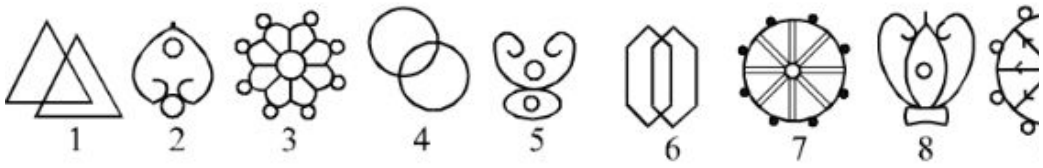
37. '



1. 1, 4, 8; 2, 5, 7; 3, 9, 6
2. 1, 4, 6; 2, 5, 8; 3, 7, 9
3. 1, 4, 6; 2, 5, 7; 3, 8, 9
4. 1, 2, 3; 4, 5, 6; 7, 8, 9

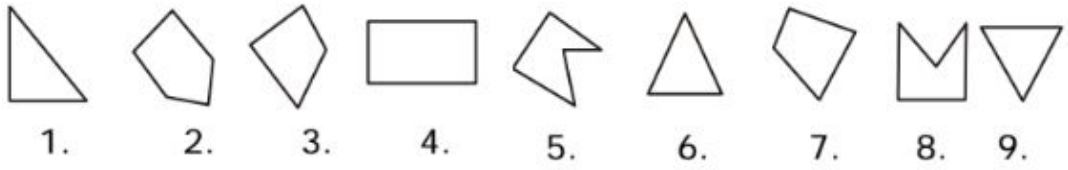
Answer

Correct Option: B

As we can see that ,

Figures (1, 4, 6) ⇒ There are two similar designs.
Figures (2, 5, 8) ⇒ Irregular figures
Figures (3, 7, 9) ⇒ The main design is divided into eight parts.

38. A series of figures are given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.



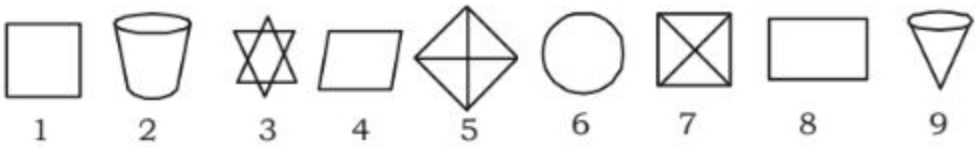
1. 789, 243, 156
2. 132, 457, 689
3. 168, 347, 259
4. 169, 347, 258

Answer

Correct Option: D

As per the given series of figures, which can be classified as:-
Figures 1, 6 and 9 → Triangles
Figures 3, 4 and 7 → Quadrilaterals
Figures 2, 5 and 8 → Consist of 5 sides

39. In a series of figures is given which can be grouped into classes. Select the groups into which the figures can be classified?



1. 1, 4, 7; 2, 6, 9; 3, 5, 8
2. 1, 7, 8; 2, 5, 9; 3, 4, 6
3. 1, 4, 8; 2, 6, 9; 3, 5, 7
4. 1, 4, 8; 2, 6, 5; 3, 7, 9

Answer

Correct Option: C

As we can see that ,

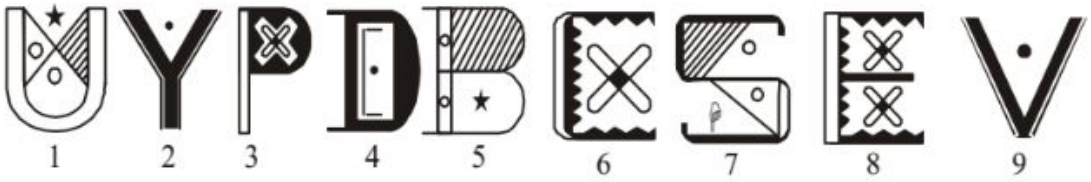
Figures (1), (4) and (8) → Each figure consists of four straight lines.

Figures (2), (6) and (9) → Each figure consists of curved line and straight lines.

Figures (3), (5) and (7) → Each figure consists of six straight lines.

---

40. A series of figures are given which can be grouped into classes. Select the group into which the figures can be classified from the given responses.



1. 1, 5, 7; 2, 4, 9; 3, 6, 8
2. 1, 5, 7; 2, 8, 9; 3, 4, 6
3. 1, 7, 8; 2, 4, 9; 3, 5, 6
4. 1, 4, 6; 5, 8, 9; 2, 3, 7

Answer

Correct Option: A

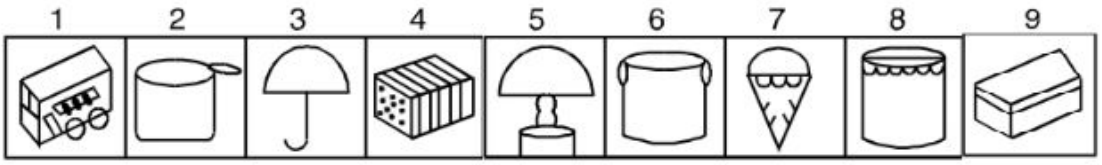
As we can see that ,

Figures 1, 5 and 7 contain an English letter, two circles, one star and oblique lines.

Figures 2, 4 and 9 contain an English letter and one dot.
Figures 3, 6 and 8 contain an English letter and one or two cross sign (s).

Direction: A series of figures are given which can be grouped into classes. Select the groups into which the figures can be classified.

41'



1. 1, 4, 9
   2, 6, 8
   3, 5, 7

2. 1, 4, 5
   3, 6, 8
   2, 7, 9

3. 1, 4, 6
   2, 7, 8
   3, 5, 9

4. 1, 3, 6
   2, 4, 7
   5, 8, 9

Answer

Correct Option: A

As we can see that ,

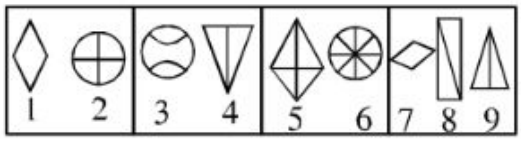
Figures (1), (4) and (9); Cuboid

Figures (2), (6) and (8): Pot with Lid

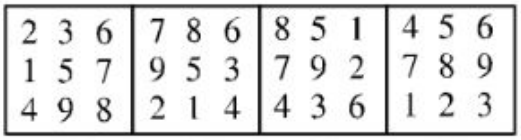
Figures (3), (5) and (7): Different articles.

42'

Question Figure :



Answer Figures :



1. 1
2. 2
3. 3
4. 4

Answer

Correct Option: A

According to question , we can see that

Figures 2, 3 and 6 are circles.

Figures 1, 5 and 7 are quadrilaterals.

Figures 4, 8 and 9 contain a diagonal.

References Links

https://www.indiabix.com/non-verbal-reasoning/grouping-of-images/
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https://interviewmania.com/non-verbal-reasoning/grouping-of-identical-figures/1/1