CHAPTER

03

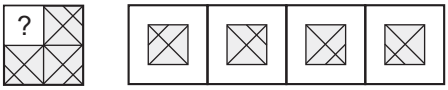
PATTERN COMPLETION

Pattern completion is a process to find out the missing part of an incomplete figure it. In this chapter we deal with questions in which a part, generally 1/4th part of the figure is missing. The student is required to find out the answer figure that completes the given pattern.

While solving the problems the student should follow some points

Example **1.**

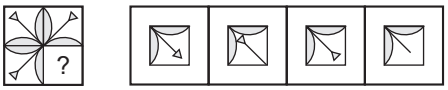
Ques. Fig. **Ans. Fig.**



Sol. (1) In the question figure, lower left figure is opposite to upper right figure. So, answer figure (1) is opposite to lower right part figure.

Example **2.**

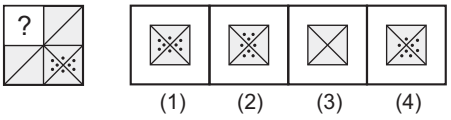
Ques. Fig. **Ans. Fig.**



Sol. (3) In the question figure, upper right figure is opposite to lower left figure. So, answer figure (3) is opposite to upper left part figure.

Example **3.**

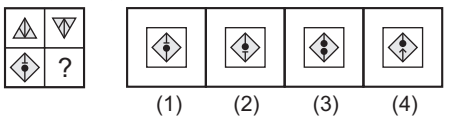
Ques. Fig. **Ans. Fig.**



Sol. (2) In the question figure, lower left figure rotates 90° anti-clockwise direction and 8 small dots and one slanting line are included. In the same way lower right figure rotates 90° anti-clockwise direction and 8 small dots and one line is removed. So, answer figure (2) will come in place of the question mark.

Example **4.**

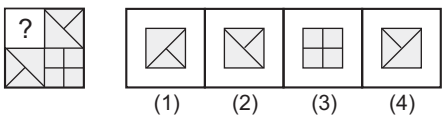
Ques. Fig. **Ans. Fig.**



Sol. (2) According to formula 2, upper left figure rotates 180° clockwise or anti-clockwise to obtain upper right figure in the same way, lower left part figure rotates 180° clockwise or anti-clockwise to obtain lower right figure. So, answer figure 2 will come in place of the question mark.

Example **5.**

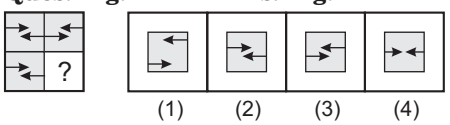
Ques. Fig. **Ans. Fig.**



Sol. (3) Answer figure (3) will complete the problem figure.

Example **6.**

Ques. Fig. **Ans. Fig.**



Sol. (3) The arrows in the column two is the mirror image of the arrows in the column one. So, answer figure (3) will complete the pattern.

Entrance Corner

Directions (Q. Nos. 1-50) *In the following questions a question figure is given to the left. A part of the figure is missing. Answer figures* (1), (2), (3) *and* (4) *are given to the right. Identify the figure out of the answer figures which may fit into the missing part. Do as to complete the pattern.*

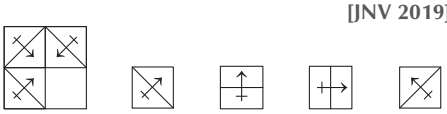
Ques. Fig. Ans. Fig.

1.
(1) (2) (3) (4)

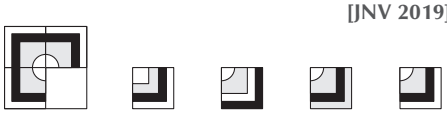
[JNV 2019]

2.
(1) (2) (3) (4)

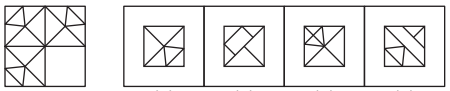
[JNV 2019]

3. 
(1) (2) (3) (4)

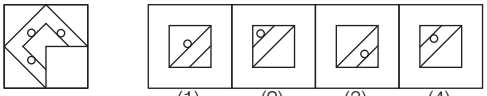
[JNV 2019]

4. 
(1) (2) (3) (4)

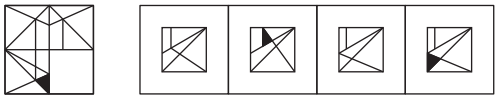
[JNV 2019]

5. 
(1) (2) (3) (4)

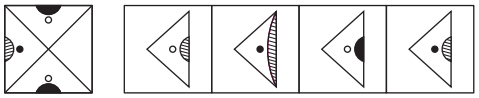
[JNV 2018]

6. 
(1) (2) (3) (4)

[JNV 2018]

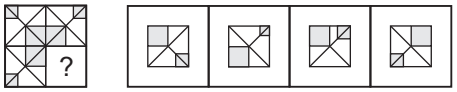
7. 
(1) (2) (3) (4)

[JNV 2018]

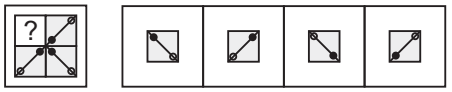
8. 
(1) (2) (3) (4)

[JNV 2018]

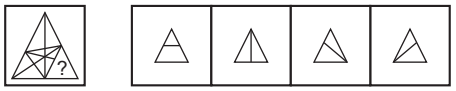
Ques. Fig. Ans. Fig.

9. 
(1) (2) (3) (4)

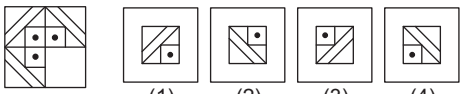
[JNV 2017, 2002]

10. 
(1) (2) (3) (4)

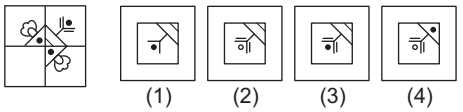
[JNV 2017, 2005]

11. 
(1) (2) (3) (4)

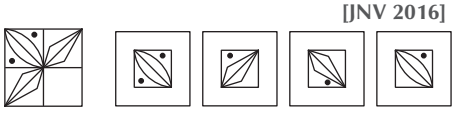
[JNV 2017, 1997]

12. 
(1) (2) (3) (4)

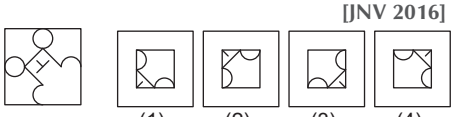
[JNV 2016]

13. 
(1) (2) (3) (4)

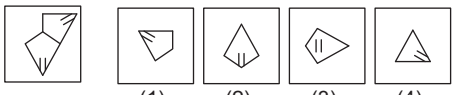
[JNV 2016]

14. 
(1) (2) (3) (4)

[JNV 2016]

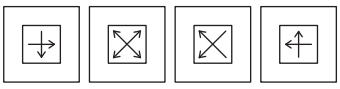
15. 
(1) (2) (3) (4)

[JNV 2015]

16. 
(1) (2) (3) (4)

[JNV 2015]

Ques. Fig. Ans. Fig.

17.

(1) (2) (3) (4)
[JNV 2015]

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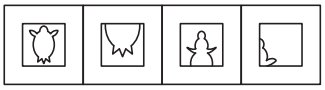
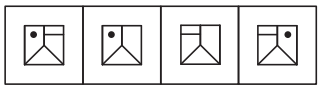

(1) (2) (3) (4)
[JNV 2014]

19.

(1) (2) (3) (4)
[JNV 2014]

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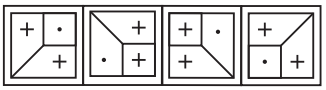
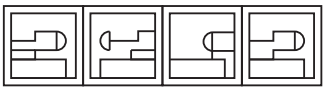
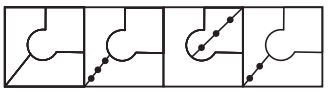
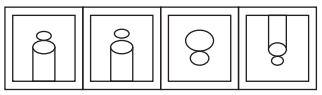

(1) (2) (3) (4)
[JNV 2013]

21.

(1) (2) (3) (4)
[JNV 2013]

22.

(1) (2) (3) (4)
[JNV 2012]

23.

(1) (2) (3) (4)
[JNV 2012]

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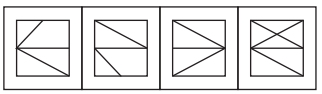
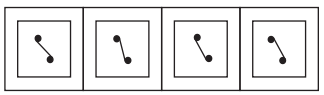
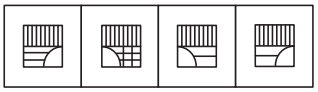
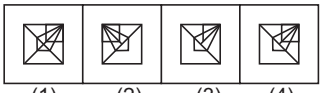
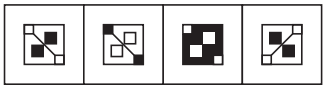

(1) (2) (3) (4)
[JNV 2011]

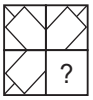
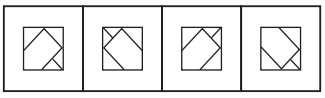
25.

(1) (2) (3) (4)
[JNV 2011]

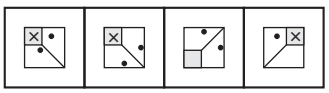
Ques. Fig. Ans. Fig.

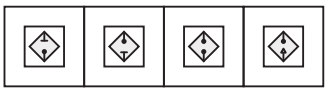
26.

(1) (2) (3) (4)
[JNV 20110]

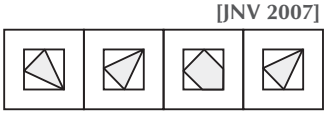
27.

(1) (2) (3) (4)
[JNV 2009]

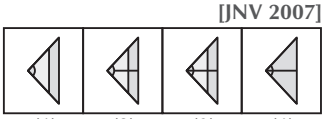
28.

(1) (2) (3) (4)
[JNV 2009]

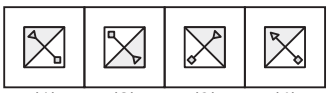
29. 

(1) (2) (3) (4)
[JNV 2008]

30.

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

31.

(1) (2) (3) (4)
[JNV 2007]

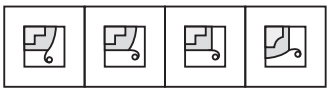
32.

(1) (2) (3) (4)
[JNV 2007]

33.

(1) (2) (3) (4)
[JNV 2005]

34.

(1) (2) (3) (4)
[JNV 2004]

Ques. Fig. Ans. Fig.

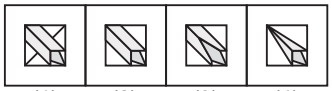
35.



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

[JNV 2004]

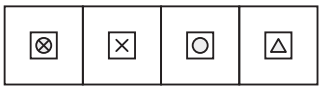
36.



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

[JNV 2003]

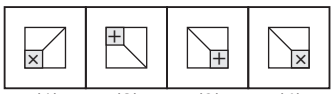
37.



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

[JNV 2003]

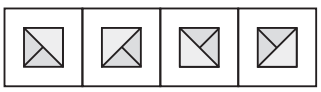
38.



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

[JNV 2002]

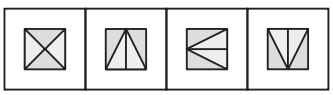
39.



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

[JNV 2001]

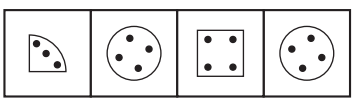
40.



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

[JNV 2001]

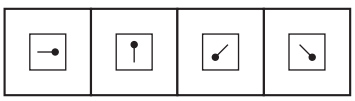
41.



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

[JNV 2000]

42.

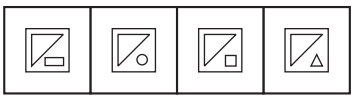


(1) (2) (3) (4)

[JNV 2000]

Ques. Fig. Ans. Fig.

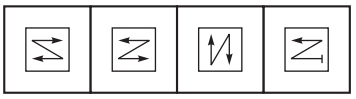
43.



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

[JNV 1999]

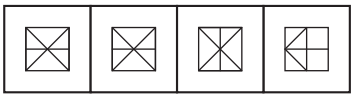
44.



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

[JNV 1999]

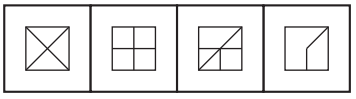
45.



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

[JNV 1998]

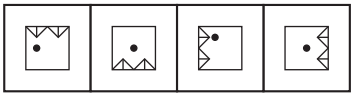
46.



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

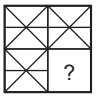
[JNV 1998]

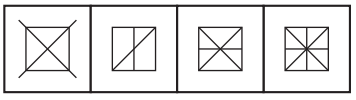
47.



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

[JNV 1997]

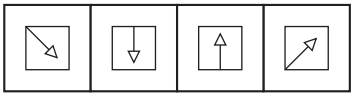
48. 



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

[JNV 1997]

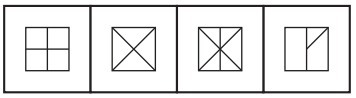
49.



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

[JNV 1997]

50.



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

[JNV 1997]

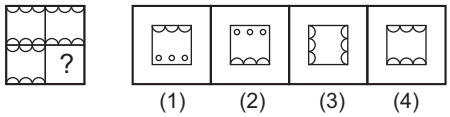
Answers

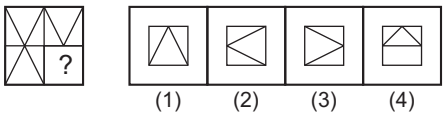
1. *(1)*	**2.** *(3)*	**3.** *(4)*	**4.** *(4)*	**5.** *(1)*	**6.** *(4)*	**7.** *(4)*	**8.** *(4)*	**9.** *(1)*	**10.** *(3)*
11. *(3)*	**12.** *(3)*	**13.** *(3)*	**14.** *(1)*	**15.** *(2)*	**16.** *(1)*	**17.** *(2)*	**18.** *(4)*	**19.** *(3)*	**20.** *(4)*
21. *(4)*	**22.** *(2)*	**23.** *(4)*	**24.** *(1)*	**25.** *(1)*	**26.** *(3)*	**27.** *(2)*	**28.** *(1)*	**29.** *(4)*	**30.** *(1)*
31. *(2)*	**32.** *(1)*	**33.** *(1)*	**34.** *(1)*	**35.** *(2)*	**36.** *(2)*	**37.** *(2)*	**38.** *(3)*	**39.** *(2)*	**40.** *(2)*
41. *(1)*	**42.** *(1)*	**43.** *(3)*	**44.** *(2)*	**45.** *(3)*	**46.** *(3)*	**47.** *(2)*	**48.** *(3)*	**49.** *(1)*	**50.** *(3)*

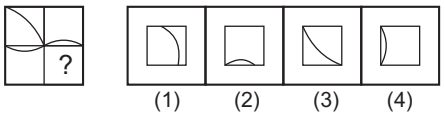
Practice Exercise

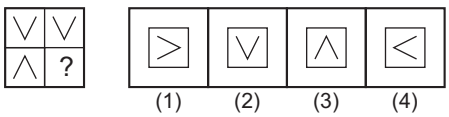
Directions (Q.Nos. 1-24) *In the following questions a question figure is given to the left . A part of the figure is missing. Answer figures* (1), (2), (3) and (4) *are given to the right. Identify the figure out of the answer figures which may fit into the missing part. Do as to complete the pattern.*

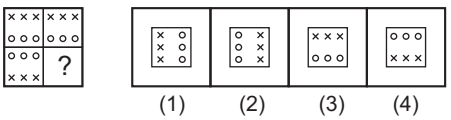
Ques. Fig. Ans. Fig.

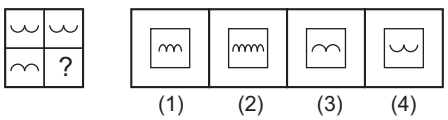
1. 

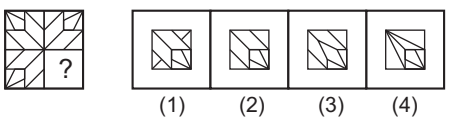
2. 

3. 

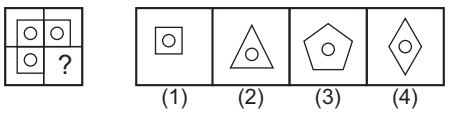
4. 

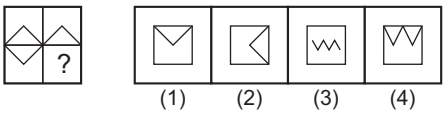
5. 

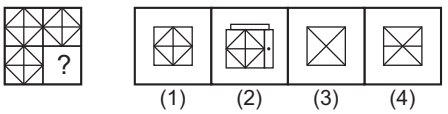
6. 

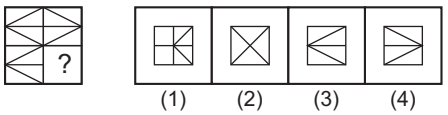
7. 

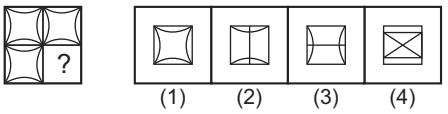
Ques. Fig. Ans. Fig.

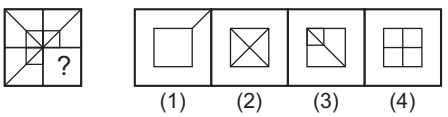
8. 

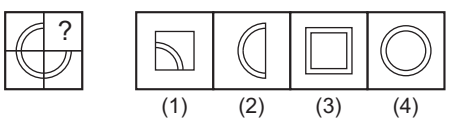
9. 

10. 

11. 

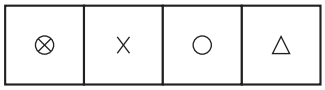
12. 

13. 

14. 

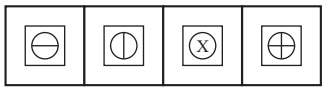
Ques. Fig. Ans. Fig.

15.



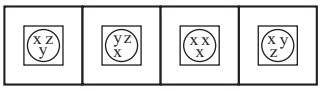
(1) (2) (3) (4)

16.



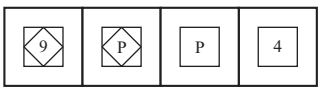
(1) (2) (3) (4)

17.



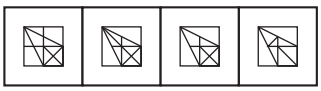
(1) (2) (3) (4)

18.



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

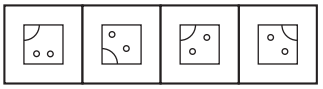
19.



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

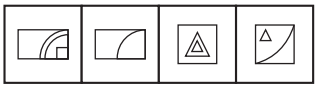
Ques. Fig. Ans. Fig.

20.



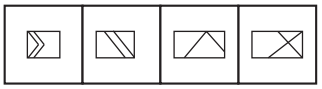
(1) (2) (3) (4)

21.



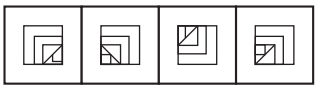
(1) (2) (3) (4)

22.



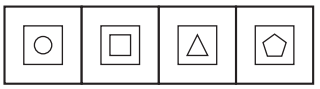
(1) (2) (3) (4)

23.



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

24.



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

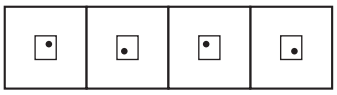
Answers

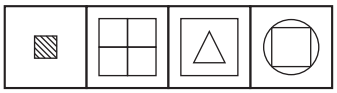
1 *(4)*	**2** *(1)*	**3** *(3)*	**4** *(3)*	**5** *(4)*	**6** *(3)*	**7** *(2)*	**8** *(1)*	**9** *(1)*	**10** *(1)*
11 *(4)*	**12** *(1)*	**13** *(3)*	**14** *(1)*	**15** *(3)*	**16** *(3)*	**17** *(4)*	**18** *(2)*	**19** *(3)*	**20** *(2)*
21 *(2)*	**22** *(2)*	**23** *(2)*	**24** *(1)*						

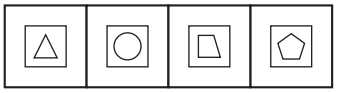
Self Practice

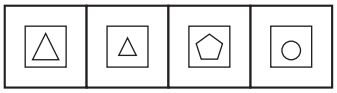
Directions (Q. Nos. 1-30) *In the following questions a question figure is given to the left. A part of the figure is missing. Answer figures* (1), (2), (3) *and* (4) *are given to the right. Identify the figure out of the answer figures which may fit into the missing part. Do as to complete the pattern.*

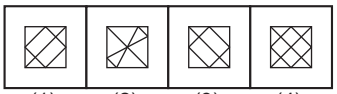
Ques. Fig. Ans. Fig.

1.

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

2.

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

3.

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

4.

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

5.

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

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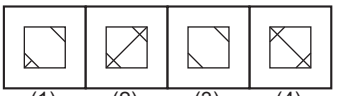
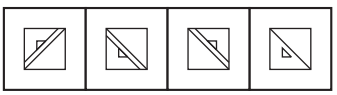
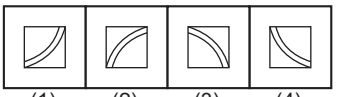
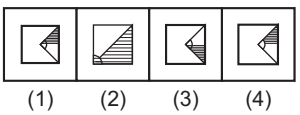
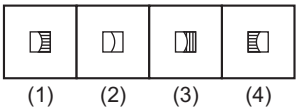

(1) (2) (3) (4)

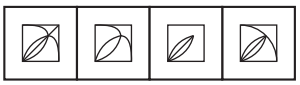
7.

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

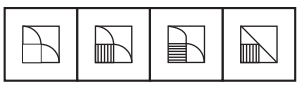
8.

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

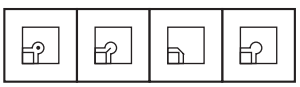
9.

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

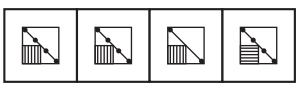
10.

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

Ques. Fig. Ans. Fig.

11.

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

12.

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

13.

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

14.

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

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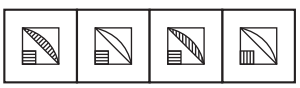
(1) (2) (3) (4)

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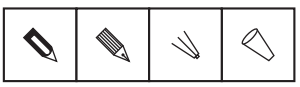
(1) (2) (3) (4)

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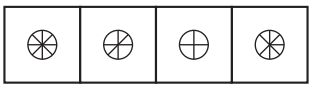
(1) (2) (3) (4)

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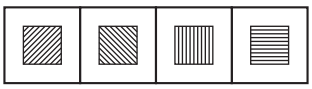
(1) (2) (3) (4)

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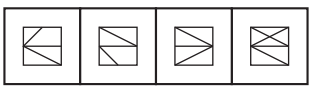
(1) (2) (3) (4)

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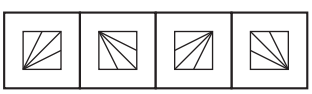
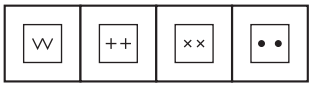

(1) (2) (3) (4)

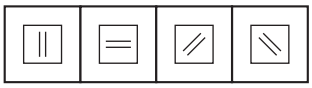
Ques. Fig. Ans. Fig.

21.



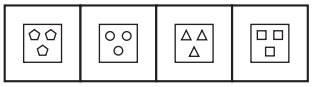
(1) (2) (3) (4)

22.



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

23.



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

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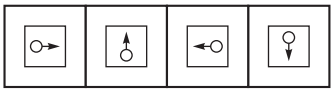

(1) (2) (3) (4)

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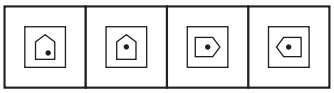
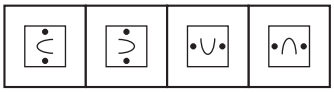


(1) (2) (3) (4)

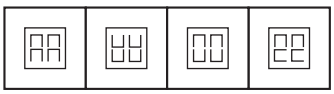
Ques. Fig. Ans. Fig.

26.



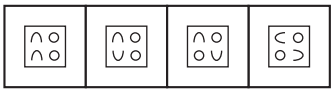
(1) (2) (3) (4)

27.



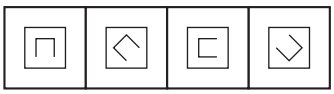
(1) (2) (3) (4)

28.



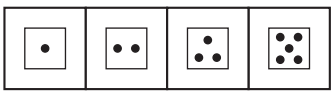
(1) (2) (3) (4)

29.



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

30.



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

Answers

1. *(1)*	**2.** *(1)*	**3.** *(2)*	**4.** *(1)*	**5.** *(1)*	**6.** *(3)*	**7.** *(2)*	**8.** *(3)*	**9.** *(2)*	**10.** *(2)*
11. *(4)*	**12.** *(3)*	**13.** *(2)*	**14.** *(4)*	**15.** *(2)*	**16.** *(2)*	**17.** *(1)*	**18.** *(1)*	**19.** *(1)*	**20.** *(2)*
21. *(2)*	**22.** *(1)*	**23.** *(1)*	**24.** *(1)*	**25.** *(2)*	**26.** *(2)*	**27.** *(3)*	**28.** *(3)*	**29.** *(4)*	**30.** *(1)*