

CHAPTER

07

MIRROR IMAGE

The reflection of an object into the mirror is called mirror image or we can say that the figure obtained by putting a mirror in front of the real figure is called mirror image.

The questions based on mirror image are divided in two parts, i.e. first part which is known as question figure and in second part there is four answer figures. The student is required to find out the correct mirror image of the given problem figure.

While solving the problems, the students should follow some points

- If the position of mirror is not clear in the question, then use the mirror at the right side of an object.
- In the mirror image of an object lower and upper part remain constant while left and right get interchanged.
- In mirror image left part of an object becomes right part and right part becomes left part.

Mirror Image of Capital Letter

Letter	Mirror Image	Letter	Mirror Image	Letter	Mirror Image
A	A	J	ɹ	S	Ɔ
B	Ɔ	K	ʌ	T	T
C	Ɔ	L	J	U	U
D	Ɔ	M	M	V	V
E	Ɔ	N	И	W	W
F	Ɔ	O	O	X	X
G	Ɔ	P	q	Y	Y
H	H	Q	Ɔ	Z	Ɔ
I	I	R	Я	—	—

Note Unchanged image of letters are A, H, I, M, O, T, U, V, W, X. (10 letters)

Mirror Image of Small Letters

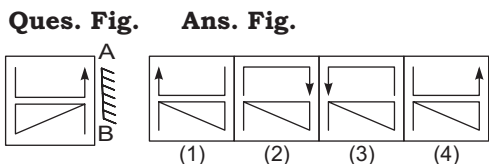
Letter	Mirror Image	Letter	Mirror Image	Letter	Mirror Image
a	a	j	ɹ	s	Ɔ
b	d	k	ʌ	t	Ɔ
c	Ɔ	l	l	u	u
d	b	m	m	v	v
e	Ɔ	n	n	w	w
f	Ɔ	o	o	x	x
g	Ɔ	p	q	y	Ɔ
h	h	q	p	z	Ɔ
i	i	r	ɹ	—	—

Mirror Image of Numbers

Number	1	2	3	4	5	6	7	8	9
Mirror Image	1	Ɔ	Ɔ	4	Ɔ	Ɔ	Ɔ	8	Ɔ

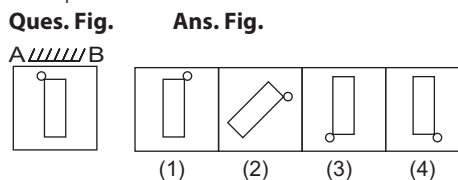
To understand the concept of the mirror image. Let us look on some of the following examples.

Example 1. Which of the following answer figure would be the exact mirror image of question figure?



Sol. (1) Answer figure (1) is the exact mirror image of question figure.

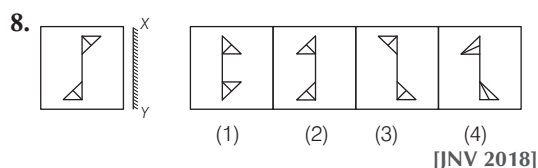
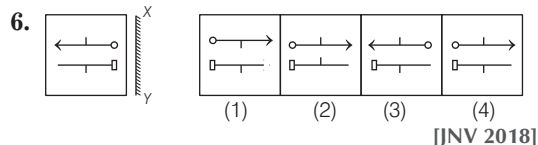
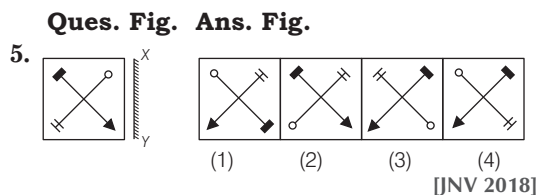
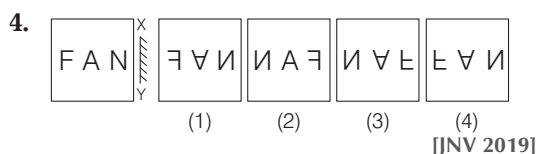
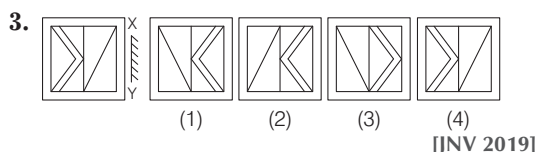
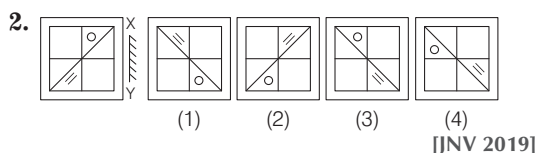
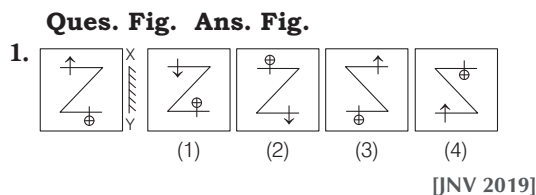
Example 2.

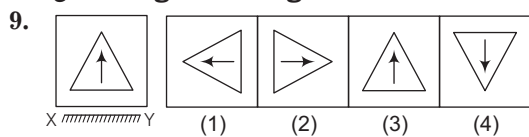


Sol. (3) Answer figure (3) is the exact mirror image of the question figure.

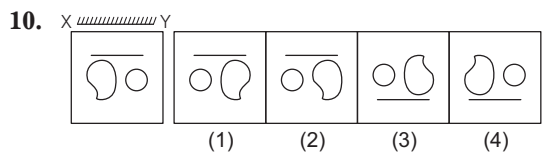
Entrance Corner

Directions (Q.Nos. 1-18) In the given questions, there is a question figure and four answer figures (1), (2), (3) and (4). Find out the correct answer figure when a mirror is held on XY line.

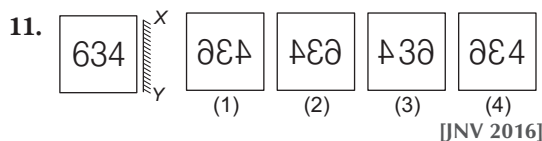


Ques. Fig. Ans. Fig.

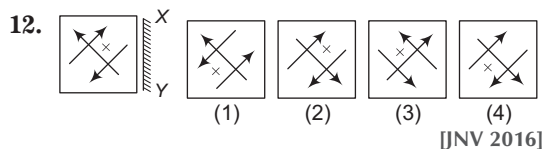
[JNV 2017]



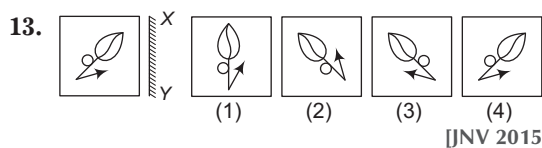
[JNV 2017]



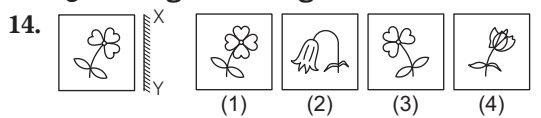
[JNV 2016]



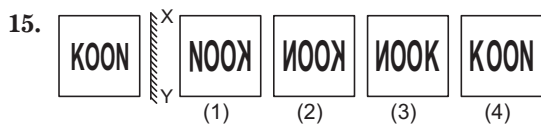
[JNV 2016]



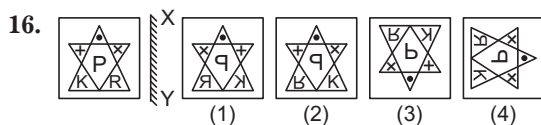
[JNV 2015]

Ques. Fig. Ans. Fig.

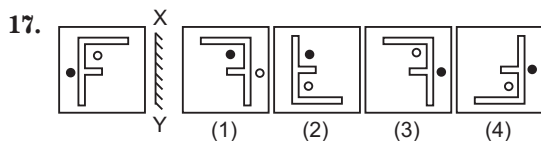
[JNV 2015]



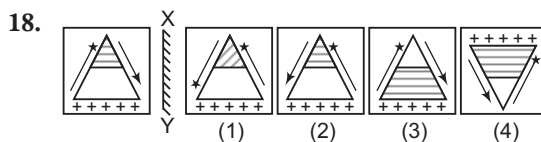
[JNV 2013]



[JNV 2013]



[JNV 2013]



[JNV 2013]

Answers

1 (3)	2 (3)	3 (1)	4 (2)	5 (4)	6 (4)	7 (2)	8 (3)	9 (4)	10 (4)
11 (2)	12 (3)	13 (3)	14 (3)	15 (2)	16 (1)	17 (3)	18 (2)		

Practice Exercise

Directions (Q. Nos. 1-30) In the given questions, there is a question figure and four answer figures (1), (2), (3) and (4). Find out the correct answer figure when a mirror is held on XY line.

- Ques. Fig.** **Ans. Fig.**
- Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)

- Ques. Fig.** **Ans. Fig.**
- Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:




































Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:































Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)
 - Ques. Fig:

Ans. Fig: (1) (2) (3) (4)

- Ques. Fig.** **Ans. Fig.**
18.     
19.     
20.     
21.     
22.     
23.     
24.     


























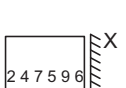




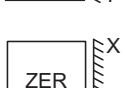




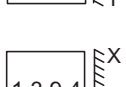









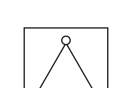




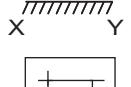




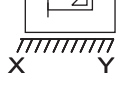









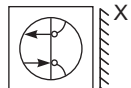









- Ques. Fig.** **Ans. Fig.**
25.     
26.     
27.     
28.     
29.     
30.     

Answers

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

Self Practice

Directions (Q.Nos. 1-15) In the given questions, there is a question figure and four answer figures (1), (2), (3) and (4). Find out the correct answer figure when a mirror is held on XY line.

- 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) 
6.  (1)  (2)  (3)  (4) 
7.  (1)  (2)  (3)  (4) 
8.  (1)  (2)  (3)  (4) 
9.  (1)  (2)  (3)  (4) 
10.  (1)  (2)  (3)  (4) 
11.  (1)  (2)  (3)  (4) 
12.  (1)  (2)  (3)  (4) 
13.  (1)  (2)  (3)  (4) 
14.  (1)  (2)  (3)  (4) 
15.  (1)  (2)  (3)  (4) 

Answers

1 (4)	2 (1)	3 (4)	4 (1)	5 (2)	6 (4)	7 (1)	8 (3)	9 (1)	10 (3)
11 (2)	12 (4)	13 (1)	14 (1)	15 (1)					