

Class: VII
Subject: Mathematics
Topic: Symmetry
No. of Questions: 21

Q1. Which of the followings has both horizontal as well as vertical line of symmetry?

- (i) A
- (ii) B
- (iii) I
- (iv) U

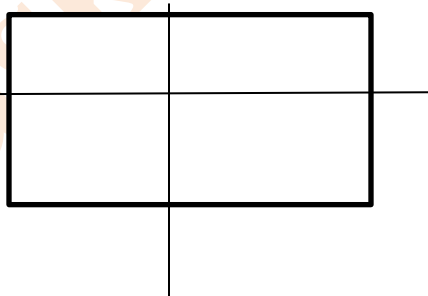
Sol: (C) I has both horizontal and vertical symmetry

Q2. The mirror image of 'W', when the mirror is placed vertically:

Sol: 'W' – It is same

Q3. A parallelogram has _____ lines of symmetry:

Sol: 2 lines of symmetry

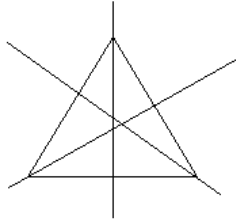


Q4. Which of the following alphabets has line symmetry? (i) A (ii) U (iii) I (iv) Y

Sol: (i) Has the line of symmetry
(ii) Has the line of symmetry
(iii) Has the line of symmetry
(iv) Has the line of symmetry

Q5. How many lines of symmetries are there in an equilateral triangle?

Sol: There are 3 lines of symmetry in a equilateral triangle



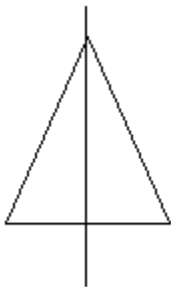
Q6. Which of the following letters have reflection line of symmetry about vertical mirror?

- (i) U
- (ii) V
- (iii) B
- (iv) D

Sol: (i) Has reflection line of symmetry
(ii) Has reflection line of symmetry
(iii) Does not have
(iv) Has reflection line of symmetry

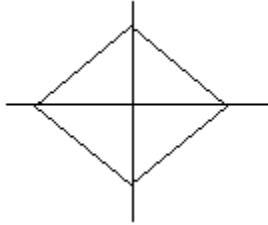
Q7. How many lines of symmetries are there in an isosceles triangle?

Sol: 1 line of symmetry



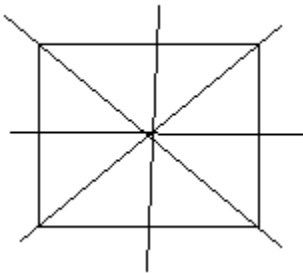
Q8. How many lines of symmetries are there in a rhombus?

Sol: 2 lines of symmetry



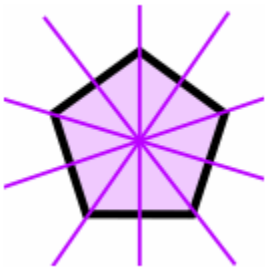
Q9. How many lines of symmetries are there in a square?

Sol: 4 lines of symmetry



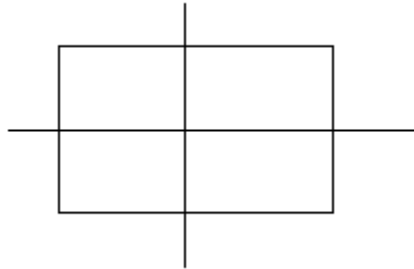
Q10. How many lines of symmetries are there in regular pentagon?

Sol: 5 lines of symmetry



Q11. How many lines of symmetries are there in rectangle?

Sol: 2 Lines of symmetry



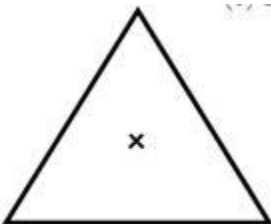
Q12. Find the number of lines of symmetry in a scalene triangle.

Sol: 0 lines of symmetry

Q13. The order of the rotational symmetry of the parallelogram about the center is -----?

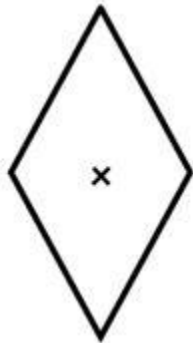
Sol: 2nd Order.

Q14. The order of the rotational symmetry of the below figure about the point marked 'x'



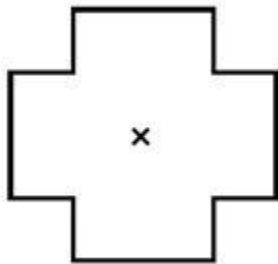
Sol: 3

Q15. The order of the rotational symmetry of the below figure about the point marked 'x'



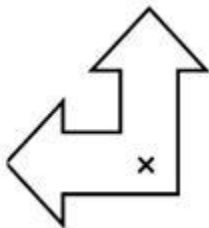
Sol: 2

Q16. The order of the rotational symmetry of the below figure about the point marked 'x'



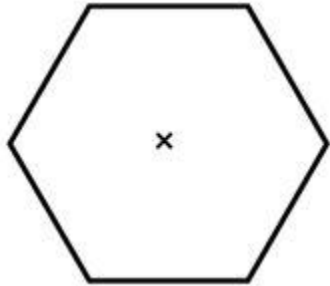
Sol: 4

Q17. The order of the rotational symmetry of the below figure about the point marked 'x'



Sol: 0

Q18. The order of the rotational symmetry of the below figure about the point marked 'x'



Sol: 3

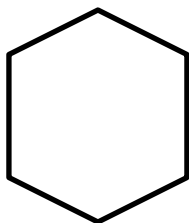
Q19. The order of the rotational symmetry of the below figure about the point marked 'x'



Sol: 2

Q20. Find the number of lines of symmetry of the following figure:

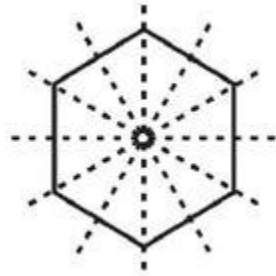
Regular Hexagon.



Sol: 6

Q21.

Does a Circle have Rotational Symmetry?



Sol: Yes, a circle have rotational symmetry.

The order of rotational symmetry for a circle is infinite. This is because of we can rotate it as many times as possible.

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