

NCERT Solutions**Maths Class 5****Chapter 5 Does it Look The Same**

1. Give each shape a half-turn.

a.

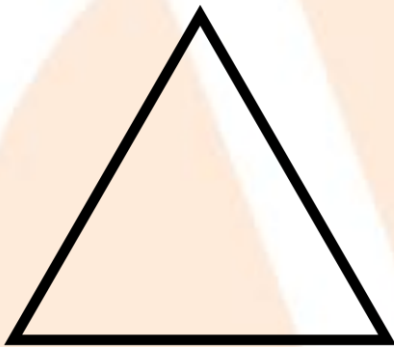


Image: Triangle

b.



Image: Rectangle

2. Give each shape a quarter shape.

a.



Image: Rectangle at one-fourth turn

b.

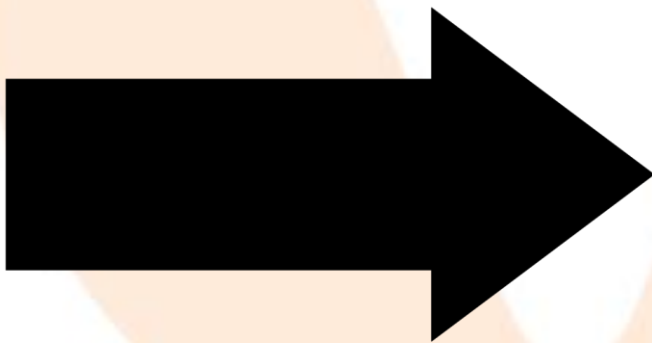


Image: Arrow

3. Draw lines of symmetry on the shape below.



Image: Square

4. Write any name in capital letters and mention how many letters have lines of symmetry.
5. Write numbers from 1 to 9 and mention which have lines of symmetry.
6. Draw a figure, which looks the same after half a turn.
7. Write letters of the English alphabet which look the same after half a turn.
8. Write any two English words which read the same after half a turn.
9. Why are windmills used?
10. What is symmetry?
11. Write two-digit numbers which look the same after a half-turn.
12. Write three-digit numbers that look the same after a half turn.
13. Find the next number in the pattern.
2, 4, 7, 11, __, __.
14. Which of the following letter is symmetrical?
 - a. A
 - b. L
 - c. P
15. Kavita has rectangular paper. How many lines of symmetry does this paper have?

16. What is asymmetry?
17. Explain the line of symmetry.
18. While playing, Mona accidentally spread a few colors on one-half of the white bedsheet. She pressed the other half against it to get its impression on it. The figure obtained would be _____.
- a. Symmetrical
- b. Asymmetrical
19. Monika wants to buy a shining star. How many lines of symmetry does a star have?
20. Find the next numbers in the pattern.
- A, C, F, J, __, __.

Answers

- 1.
- a.

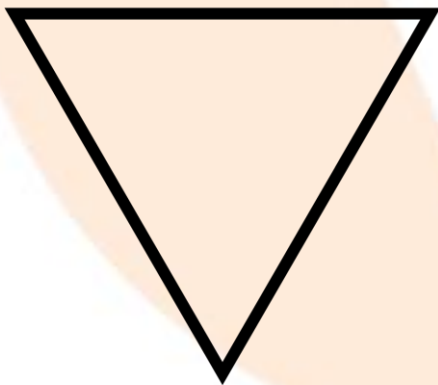


Image: Half turn triangle

- b.



Image: Rectangle

2.

a.



Image: Rectangle at one-fourth turn

b.

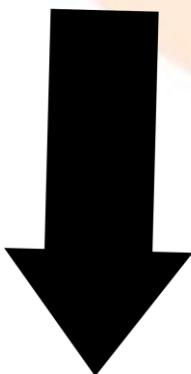


Image: Arrow

3.

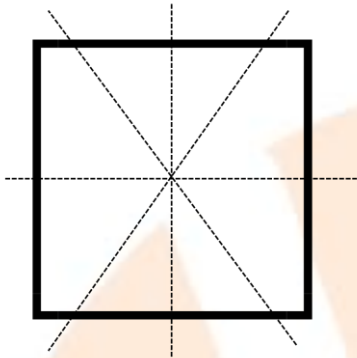


Image: Square with four symmetrical lines

There are four lines of symmetry in a square.

4. S A C H I N

The four letters in SACHIN name have lines of symmetry. The letters are A, C, H, and I.

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

The numbers which have lines of symmetry are 3 and 8.

6.

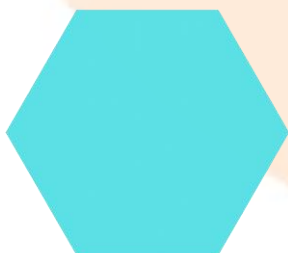


Image: Hexagon

7. The letters of English alphabet which look the same after half a turn are H, I, N, O, S, X, and Z.

8. The two English words which read the same after half a turn are NOON and SIS.

9. A windmill is a machine that uses the power of the wind to grind grain into flour, extract oil from seeds, and to produce electricity. It has a number of blades, and they spin when the wind blows.

10. When we see an identical image to the original image of any shape or object after turning or flipping it, then it is considered symmetry.

11. The two-digit numbers which look the same after a half-turn are 11 and 88.

12. The three-digit numbers which look the same after a half-turn are 111, 888, and 818.

13. The given pattern is: 2, 4, 7, 11 ...

$$4 - 2 = 2$$

$$7 - 4 = 3$$

$11 - 7 = 4$; here the difference is increasing by + 1.

So, the next digit be,

$$11 + 5 = 16$$

$$16 + 6 = 22$$

The next numbers in the pattern are

2, 4, 7, 11, 16, and 22.

14. Letter A is symmetrical.

15. Rectangle has two lines of symmetry.

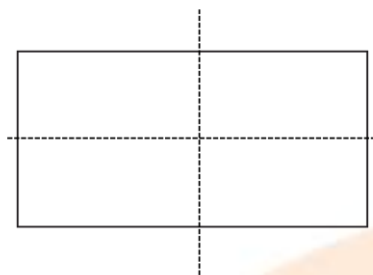


Image: Rectangle with two symmetrical lines

16. When we don't see an identical image to the original image of any shape or object after turning or flipping it, then it is considered asymmetry.
17. The line of symmetry is an imaginary line that divides the object or shape into two parts into equal or symmetry parts. The two types of lines of symmetry are vertical lines of symmetry and horizontal lines of symmetry.
18. The figure would be symmetrical.
19. A star has five lines of symmetry.

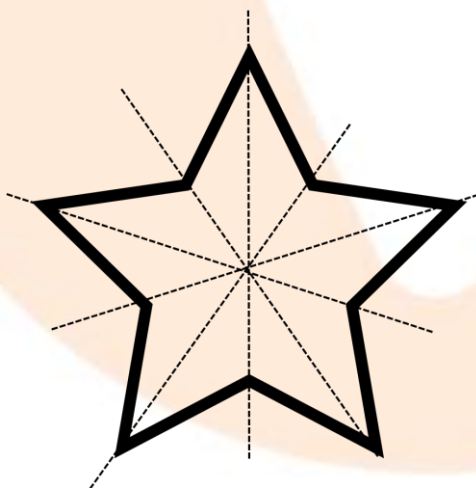


Image: Star with five symmetrical lines

20. The given pattern is A, C, F, J ...

We know that, the English Alphabet consists of 26 letters:

A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

Here the gap between two alphabet is increasing by the order 1, 2, 3, 4, and 5.

The next numbers are

A, C, F, J, O, U.

