

CBSE Class 5 Mathematics**NCERT Solutions****CHAPTER-5****DOES IT LOOK THE SAME**

1. Find out which letters in the English alphabet looks the same after a turn.

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

2. Which of these English words reads the same on half a turn?

ZOOM, MOW, SWIMS, SIS, NOON

Ans. The English words MOW, SWIMS, SIS AND NOON read the same on half a turn.

3. Give half a turn to the numbers from 0 to 9. Find which of them stills look the same. Ans.

The numbers 0, 1 and 8 look the same after giving a turn to them.

4. Think of all 2, 3 and 4 digit numbers which look the same on half a turn.

Ans. All 2, 3 and 4 digit numbers which look the same on half a turn are:

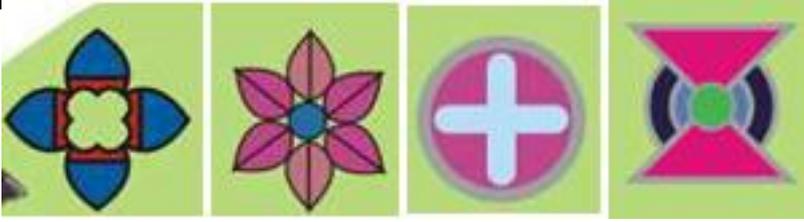
2-digit numbers: 11, 88

3-digit numbers: 101, 111, 181, 808, 818, 888

4-digit numbers: 1001, 1111, 1881, 8008, 8118, 8888

5. Which among the following pictures will look the same on half a turn?

Ans. The following pictures will look the same on half a turn.



6. Have you ever seen a windmill? What is it used for?

Ans. Yes, I have seen a windmill. It is a mill turned by the wind. In it the wind turns a set of vanes mounted on a horizontal shaft, the rotation of which transmitted by gearing to working machinery. It is used for grinding corn, pumping water, street light and powering light industry.

7. Does your windmill look the same on $\frac{1}{4}$ of a turn?

Ans. Yes, the windmill looks the same on $\frac{1}{4}$ of a turn.

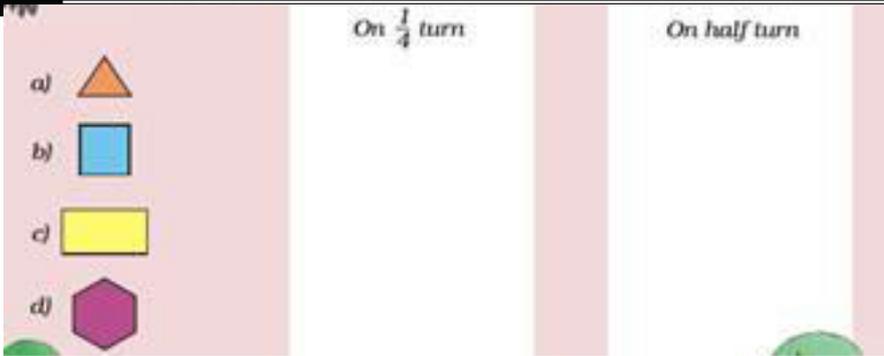
8. Does it look the same on half a turn? Discuss.

Ans. Since $\frac{1}{4}$ of a turn + $\frac{1}{4}$ of a turn means half of a turn. So it looks the same on half a turn also.

9. Does the fan look the same on $\frac{1}{4}$ turn?

Ans. Yes, the fan looks the same on $\frac{1}{4}$ turn.

10. Draw what the following shapes would look like on $\frac{1}{4}$ turn and half a turn.



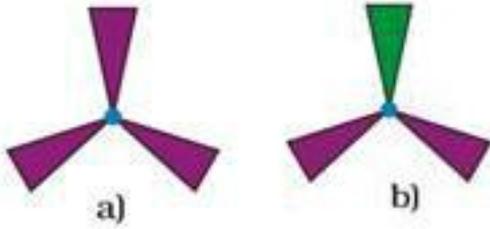
Which of the above shapes do not look the same on $\frac{1}{4}$ turn? Which shapes do not look the same on $\frac{1}{2}$ a turn?

Ans.

		On $\frac{1}{4}$ th turn	On half turn
(a)			
(b)			
(c)			
(d)			

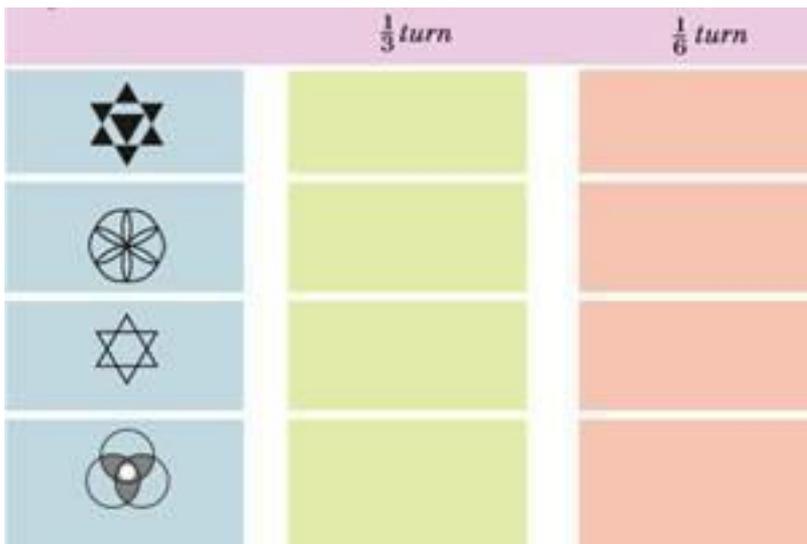
Shapes (a), (c) and (d) do not look the same on $\frac{1}{4}$ turn. Shape (a) does not look the same on $\frac{1}{2}$ a turn.

11. Which fan will look the same on a $\frac{1}{3}$ turn?



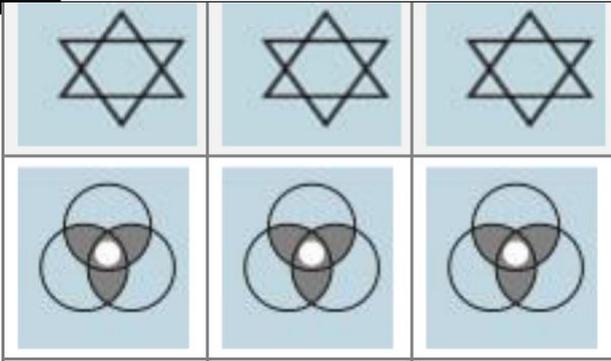
Ans. Fan (a) will look the same on a $\frac{1}{3}$ turn.

12. Look at the following shapes. Draw how they will look on $\frac{1}{3}$ and $\frac{1}{6}$ turn.



Ans. The required shapes are drawn as under:

	1/3 turn	1/6 turn
		
		



13. Look at the following shapes —

a) Find out which of these figures look the same on $\frac{1}{3}$ turn. Mark them with \checkmark .

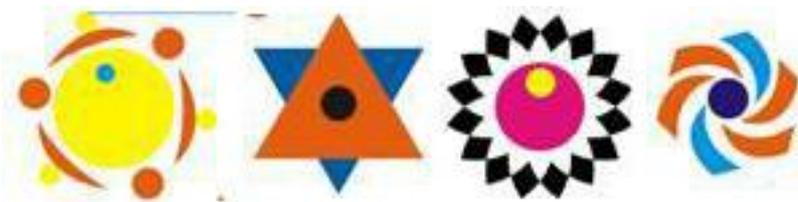
b) Which are the ones that will not look the same after $\frac{1}{3}$ turn? Mark them with \times .

c) Try and change the shapes below in such a way that they look the same on $\frac{1}{3}$ turn.

Ans. (a) Row 2nd: 1st \rightarrow (\checkmark), 2nd \rightarrow (\checkmark), 3rd \rightarrow (\checkmark)

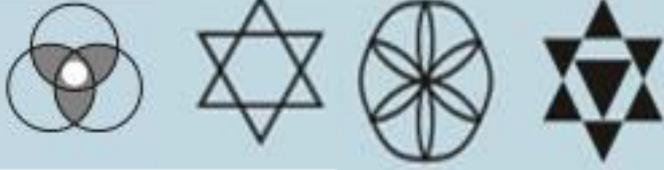
(b) Row 1st: 1st \rightarrow (\times), 2nd \rightarrow (\times), 3rd \rightarrow (\times).

(c) Given shapes are changed as under so that they may look the same on $\frac{1}{3}$ turn.



14. Draw some shapes which will look the same after $\frac{1}{3}$ turn.

Ans. The following shapes will look the same after $\frac{1}{3}$ turn.



15. Draw some shapes which will look the same after $\frac{1}{6}$ turn.

Ans. The following shapes will look the same after $\frac{1}{6}$ turn.

