



# INDIAN SCHOOL AL WADI AL KABIR

DEPARTMENT OF MATHEMATICS (2023-2024)

TOPIC: SYMMETRY, PATTERNS AND NETS

WORKSHEET

RESOURCE PERSON: Ms. Bandana Thakur

NAME: \_\_\_\_\_ CLASS: V SEC: \_\_\_\_\_ DATE: \_\_\_\_\_

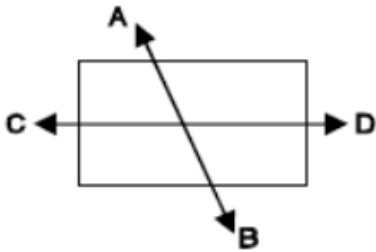
**Read the instructions and do as directed.**

**I. Read the questions carefully and Tick (✓) the correct answer.**

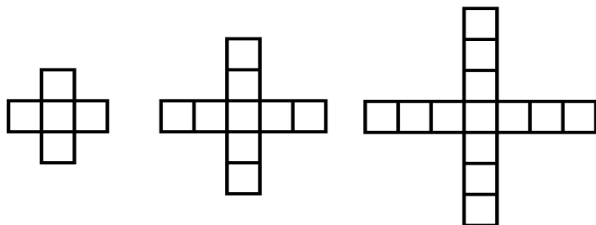
1) Which of the following shapes will look the same after a quarter turn?



2) Observe the picture given below and select the correct option.

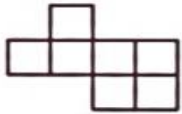


- (a) AB is the line of symmetry for the given figure.  
(b) CD is the line of symmetry for the given figure.  
(c) Both AB and CD are the lines of symmetry.  
(d) Neither AB nor CD is the line of symmetry.
- 3) Observe the pattern given below. If the pattern continues, how many squares will be needed to make the fourth figure?

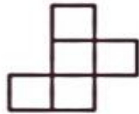


- (a) 16 (b) 18 (c) 17 (d) 20

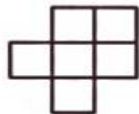
4) Which of the following shapes does not have a Line of Symmetry?



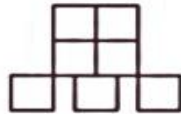
P



Q



R



S

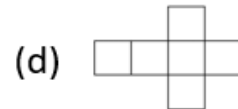
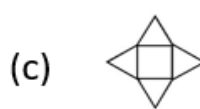
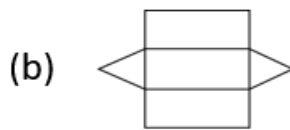
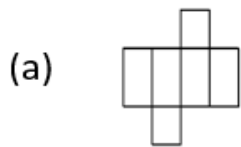
- (a) Only P                      (b) Only Q                      (c) Both R and S                      (d) Both P and Q

5) Observe the number pattern given below. Which number will come next?

12,                      17,                      23,                      30,                      \_\_\_\_\_

- (a) 40                      (b) 38                      (c) 35                      (d) 37

6) Which of the given shapes represents the net of a cube?



**II) Fill in the blanks with the correct answer.**

- 1) The line along which a shape can be folded into two exact halves, is called the \_\_\_\_\_.
- 2) If a figure can be cut into two halves so that the first half is the exact reflection of the second, then the figure is called a \_\_\_\_\_ figure.
- 3) A square has \_\_\_\_\_ lines of symmetry.
- 4) The unfolded flat shape of a solid is called the \_\_\_\_\_ of the solid.

**III) The patterns given below have been created by turning the shapes to either a quarter turn or a half turn. Identify the types of turns and draw the figure that will come next.**

