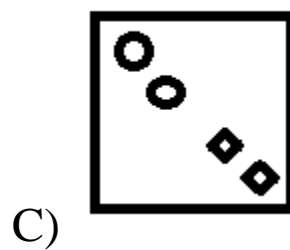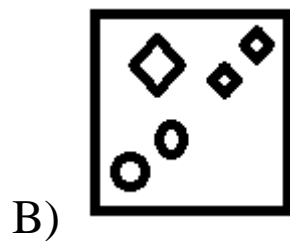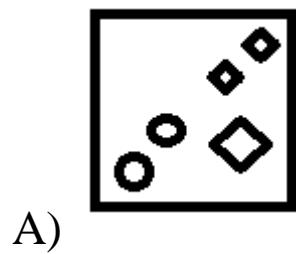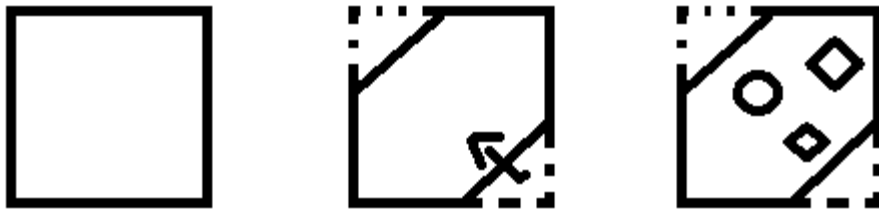**Question 1:** The sequence of folding a piece of paper and the manner in which it is folded has been cut and is shown in the following figure. How would this paper look when unfolded?
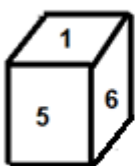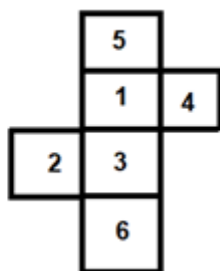
A)

B)

C)

D)
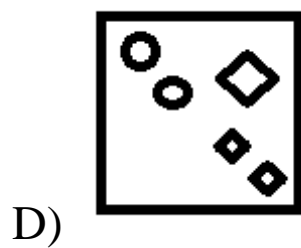
**Answer: D)**

**Solution:**

The pattern is as followed:
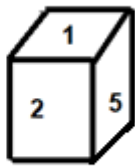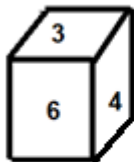


Hence, option d.

**Question 2:** Select the box that can be formed by folding the given sheet along the lines.
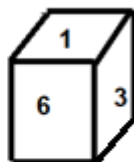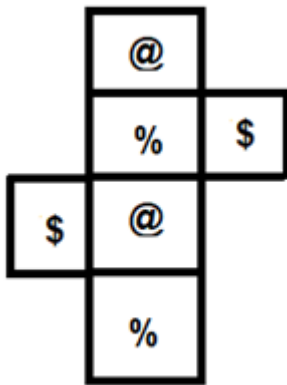


A) Only B and D

B) Only A and B

C) Only B and C
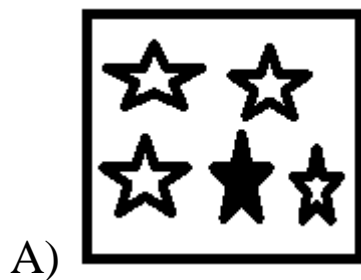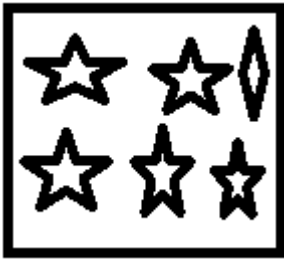
D) Only D and C

**Answer: C)**

**Solution:**



Same type of symbols is, at opposite side of paper, hence cannot appear on two adjacent sides.

Only B and C have numbers that are not appearing on adjacent sides.
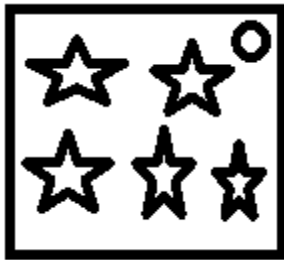
Hence, option c.

**Question 3:** Select an appropriate figure from the four options that would complete the figure.



A)

B) 

C) 

D) 

**Answer: D)**

**Solution:**

Number of stars is increasing, and number of circles are decreasing in each step.



In 1$^{st}$ diagram, there are 1 star and 3 circle, in 2$^{nd}$ figure there are 2 stars and 2 circles, in 3$^{rd}$ diagram, there are 3 stars and 1

circle, in 4$^{th}$ diagram, there are four stars and 0 circles, similarly, there will be 5stars in 5$^{th}$ diagram.

Hence, option d.

**Question 4:** Find the number of triangles in the given figure?
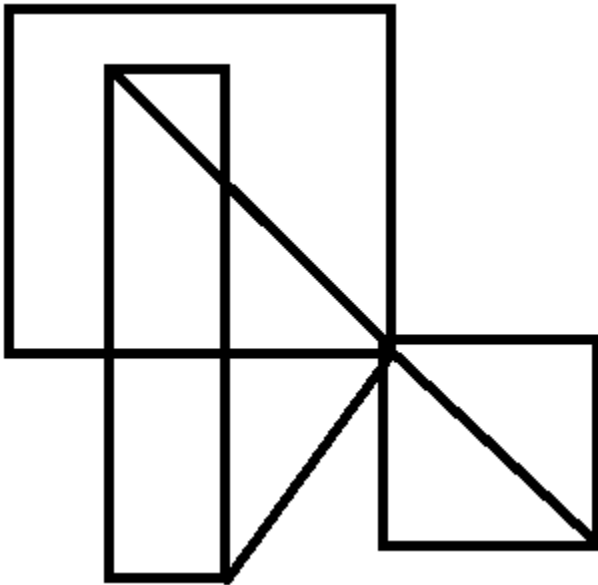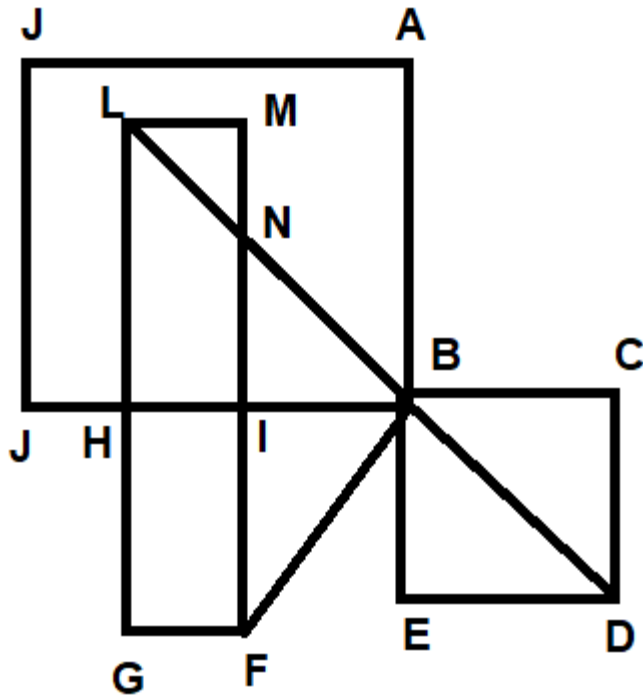


A) Eight

B) Seven

C) Six
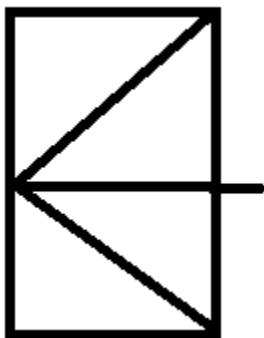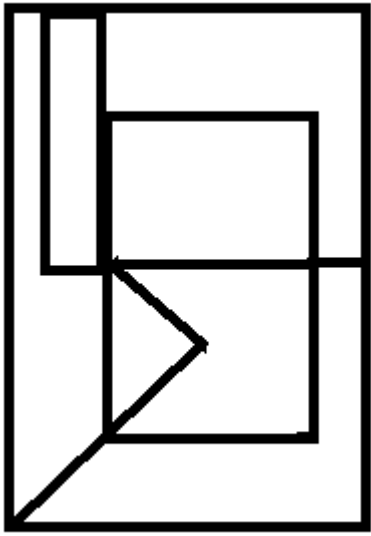
D) Five

**Answer: B)**

**Solution:**

Triangles: LMN, FIB, BED, BCD, FNB, LHB and BIN.

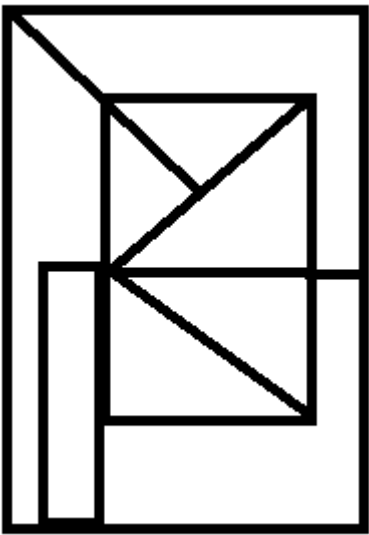So, there are seven triangles in the given figure.

Hence, option b.

**Question 5:** Select the option in which the given figure is embedded.
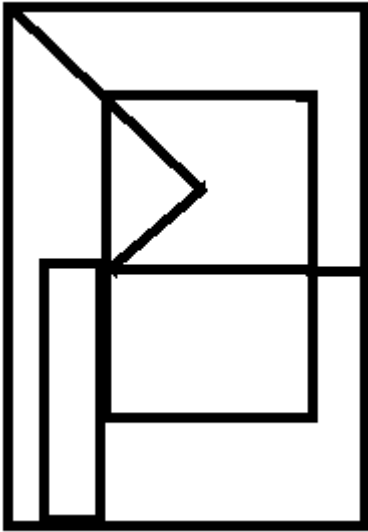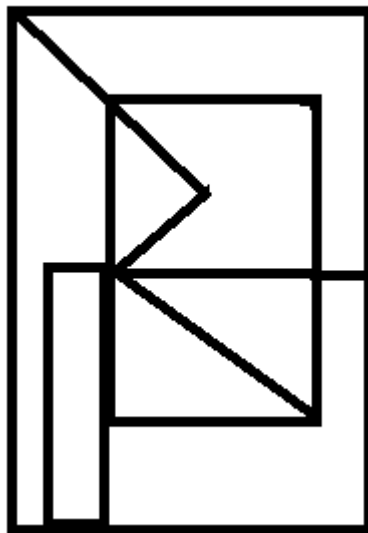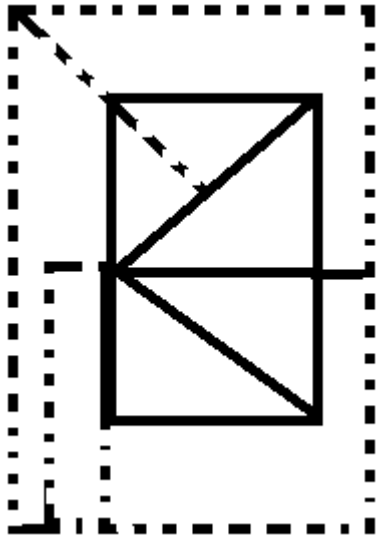
A)

B)

C)



D)

**Answer: B)**

**Solution:**

The embedded figure is shown below,

Hence, option b.