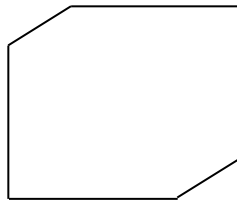


M304b

describes 2D shapes by the number of sides, corners and diagonals. For example, the shape of the book cover has 4 sides, 4 corners and two diagonals

LEVEL-1

Test item-1: Number of corners the figure has is_____



Option A: 6

Option B: 2

Option C: 8

Option D: 12

Correct option: A

Test item-2: Write number of edges of the following.



Option A: 10

Option B: 9

Option C: 11

Option D: 12

Correct option: A

Test item-3: Which of the following has no corners?

Option A: Circle

Option B: Triangle

Option C: Rectangle

Option D: Square

Correct Option :A

Test item-4: How many diagonals a square has ?

Option A : 1

Option B: 4

Option C: 2

Option D: 3

Correct Option C:

Test item-5: Which of the following has curved edge ?

Option A : Square

Option B: Rectangle

Option C: Circle

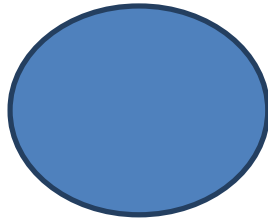
Option D: Triangle

Correct Option C:

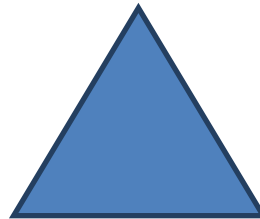
Test item-6: Look at the shapes given below:



(i)



(ii)



(iii)

Which of the following is true for the number of corners of the above shapes.

	(i)	(ii)	(iii)
Option A :	4	1	3
Option B:	4	3	0
Option C:	4	0	3
Option D:	1	2	3

Correct Option :C

Test item-7: Which of the following is true for a square ?

- (a) It has 4 sides
- (b) It has 4 equal sides
- (c) It has 4 corners

Hints/ Solution :

- (a) True
- (b) True
- (c) True

Test item-8: Meena and Reena had a coin of 1 rupee . They both says the following?

Meena : It has curved edge only

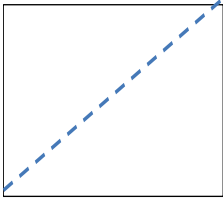
Reena: It has no corner at all.

Who is correct?

Hints/ Solution :

Both the correct

Test item-9: Given square shaped sheet is to be cut along the dotted line ?



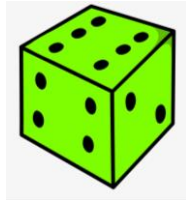
Which of the following is true?

- (a) Sheet is being cut along diagonal
- (b) Sheet is being cut along an edge

Hints/ Solution :

- (a) True
- (b) False

Test item-10: Look at the object ?



Fill in the blanks:

- (a) It has corners
- (b) It has edges
- (c) It looks like (Cube/ Cuboid)

Hints/ Solution :

- (a) 8
- (b) 12
- (c) cube

LEVEL-2

Test item-1: Identify the shape. If

- It has no straight edges
- It has only one curved edge
- It has no corners

Option A: Triangle

Option B: Square

Option C: Circle

Option D: Rectangle

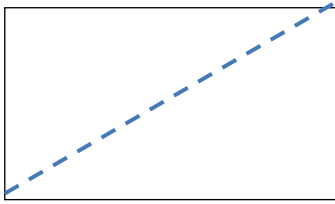
Correct option: C Circle

Hints/ Solution

→A shape with no edges is circular in shape

→ Circle has no corner.

Test item-2: Look at the rectangle shown.



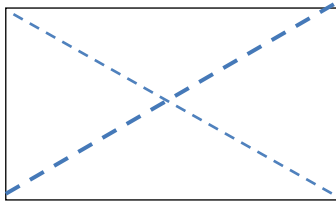
Dotted line shows a diagonal

- (a) Can you draw another diagonal? Yes/No.....
- (b) If yes, draw it.

Hints/ Solution :

(a) Yes

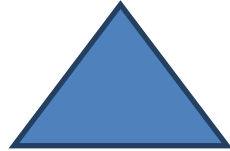
(b)



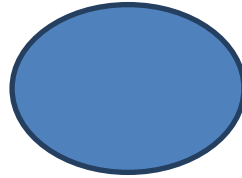
Test item-3: Look at the shapes given below ?



(i)



(ii)



(iii)



(iv)

Which pair of shapes has same number of diagonals?

Option A: (i) and (ii)

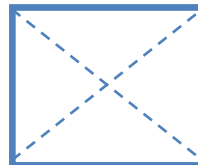
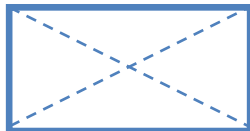
Option B: (ii) and (iii)

Option C: (iii) and (iv)

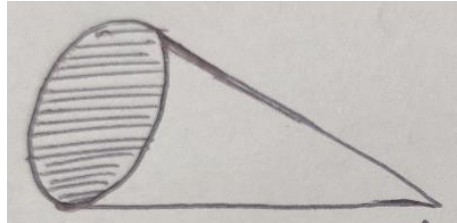
Option D: (i) and (iv)

Correct Option: D

Hints/ Solution :



Test item-4: : Look at the cone given.



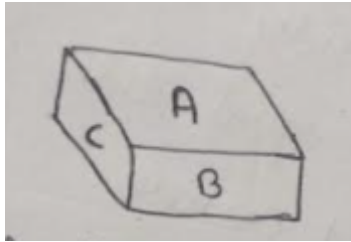
Write true/false for the shaded part.

- (a) It is circular in shape
- (b) It has one corner
- (c) The edge is circular

Hints/ Solution :

- (a) True
- (b) False
- (c) True

Test item-5: Look at the box



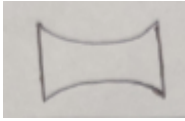
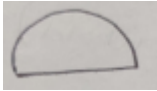
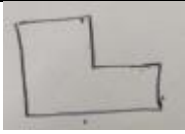
Select the correct statement for shape A.

- (a) It has no straight edge
- (b) It has 4 Corners

Hints/ Solution :

Shape –A has 4 straight edges and 4 corners
So, statement(b) is correct.

Test item-6: Fill in the boxes. One has been done for you.

S. No.	Figure	Number of Edges	Curved	Straight
I		4	2	2
II				
III				
IV				

Hints/ Solution :

II. 2,1,1

III. 6,0, 6

IV. 5, 2, 3

Test item-7: Megha was thinking about a shape and wrote the following .

- It has 4 corners
- It has 4 edges
- All edges are of equal length

Face of which the following she was thinking?

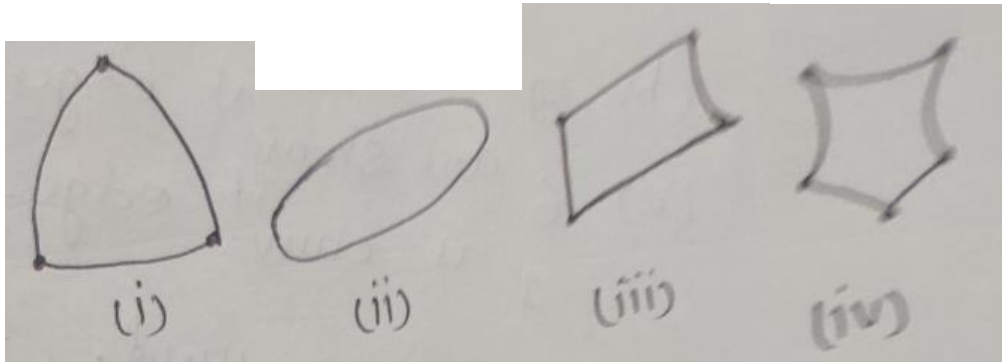
- (a) Dice
- (b) Coin
- (c) Ice-Cream cone

Hints/ Solution :

Megha is thinking about a square.

- (a) Dice, a dice has 6 squares faces.

Test item-8: Count number corners each has.



Arrange them in descending order according to number of corners.

Hints/ Solution :

(i) – 3

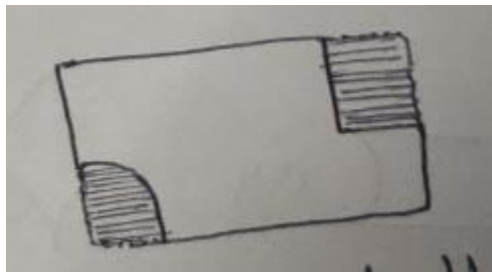
(ii) – 0

(iii) - 4

(iv) – 5

Descending order: (iv)- (iii) – (i) – (ii)

Test item-9: Two parts (shaded below) were cut out from the sheet.



- (a) Draw shape of the sheet left.
- (b) Count total number of edges new shape has.
- (c) How many are straight? How many are curved?

Hints/ Solution :

(a) **picture**

(b) 7

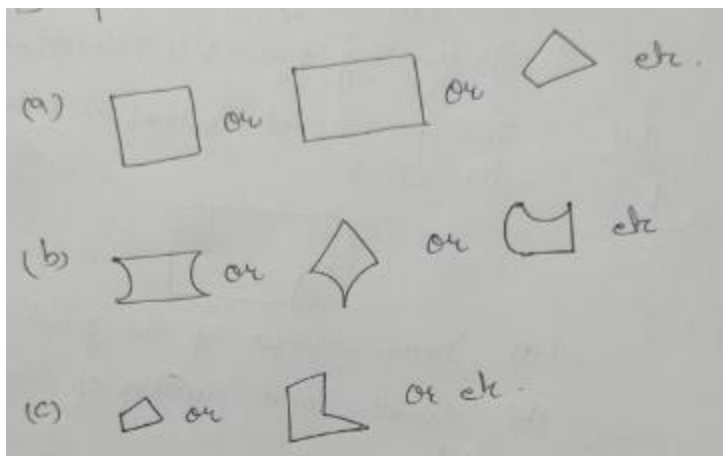
(c) 6 are straight edges

1 is curved edges

Test item-10: Draw shapes as required.

- (a) Shape with 4 straight edges
- (b) Shape with 2 straight edges and 2 curved edges
- (c) Shape with 5 corners

Hints/ Solution :



Note: This is an open ended question. Child can draw as per his/ her imagination.