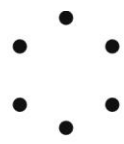
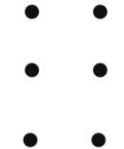


M304a	identifies and makes 2D-shapes by paper folding , paper cutting on the dot grid, using straight lines etc.
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LEVEL-1

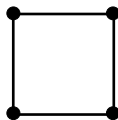
Test item-1: Which of the following arrangement of dots can be used to form a square?

- Option A : 
- Option B : 
- Option C : 
- Option D : 

Correct Option: C

Hints/ Solution :

A square has four equal sides and four equal angles i.e., 90° .



Test item-2: Which of following figure is not a triangle?

Option A:



Option B:



Option C:



Option D:

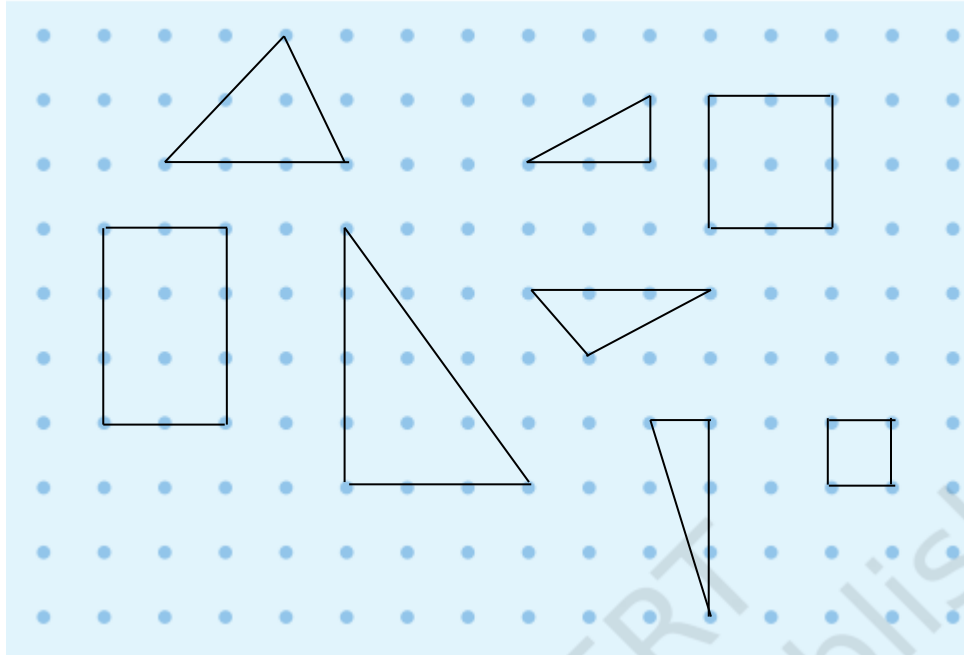


Correct Option: D

Hints/ Solution

All given figures are triangles of different orientation and size except option D

Test item-3: Count the total number of triangles.



Option A: 1

Option B: 8

Option C: 5

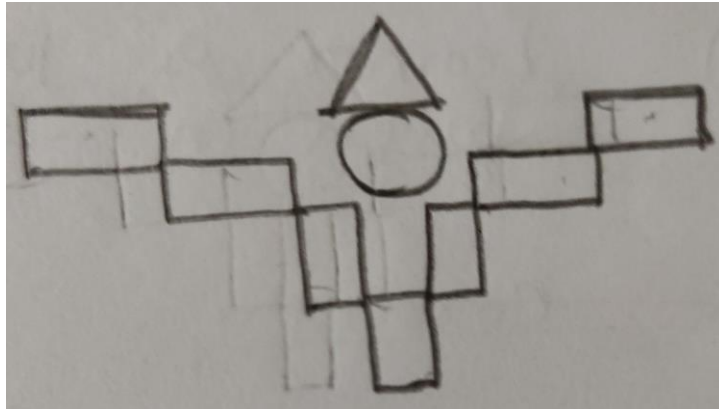
Option D: 3

Correct Option:C

Hints/ Solution

Dot grid have total 5 triangles of different orientation and size

Test item-4: Count total number of rectangles used to make the given figure.



Option A: 9

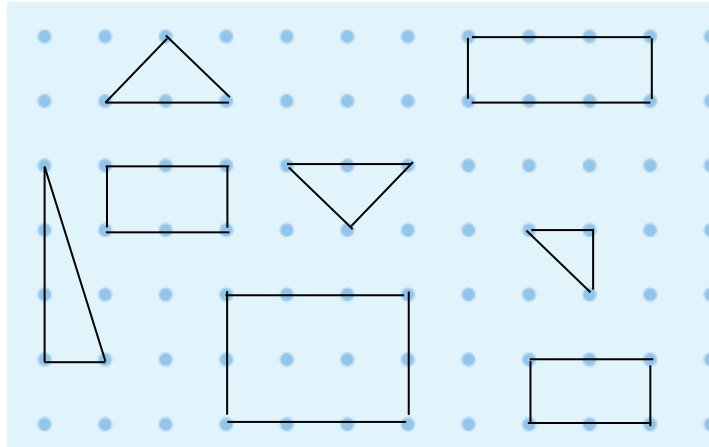
Option B: 7

Option C: 4

Option D: 8

Correct Option :7

Test item-5: How many rectangles are there in the given dot grid?



Option A: 1

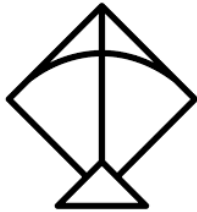
Option B: 3

Option C :9

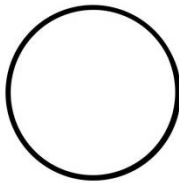
Option D: 4

Correct Option :D

Test item-6: Which of the following shape is circle?



Option A:



Option B:



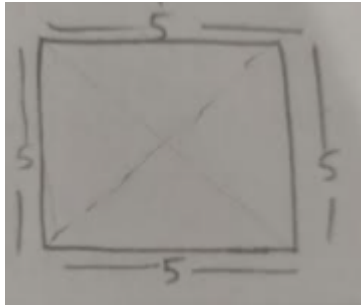
Option C:



Option D:

Correct option: B

Test item-7: What is the shape of the given picture?



Option A: Triangle

Option B: Square

Option C: Circle

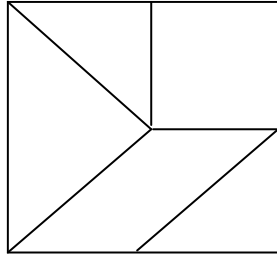
Option D: Rectangle

Correct option: (B) Square

Hints/ Solution

- A shape having all sides equal
- It is known as Square.

Test item-8: look at the figure given below.



Two pieces of which shape cover each other completely?

Option A: Square

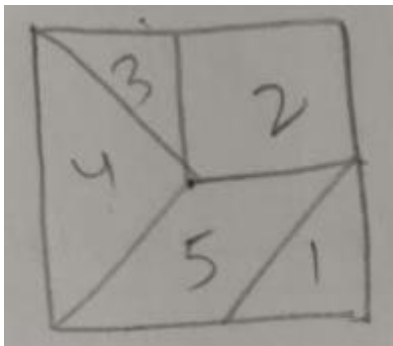
Option B: Triangle

Option C: Rectangle

Option D: Circle

Correct option: (B) Triangle

Hints/ Solution



Piece-3 and piece-1 are triangles of same size.

Test item-9: How many rectangles are there in the given figure?



Option A: 4

Option B: 2

Option C: 1

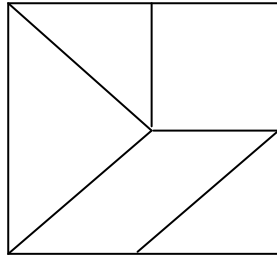
Option D: 3

Correct option: D

Hints/ Solution

1 big rectangle and 2 small ones.

Test item-10: How many triangles are there in the given figure?



Option A: 1

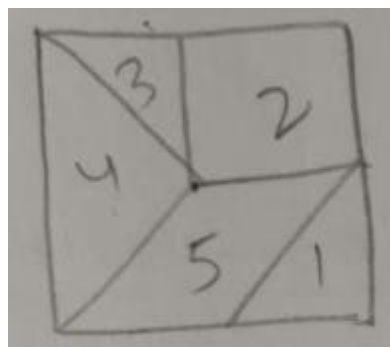
Option B: 2

Option C: 3

Option D: 4

Correct option: C

Hints/ Solution



Piece-1, Piece-3 and Piece-4 are triangular in shape.

LEVEL-2

Test item-1: Which close shape can you draw using 2 straight lines?

Option A: Triangle

Option B: Circle

Option C: Square

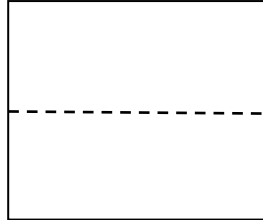
Option D: None

Correct Option: D

Hints/ Solution :

No close shape can be drawn using only two straight lines.

Test item-2: What shape will you get after folding the paper along the dotted line?



Option A: Circle

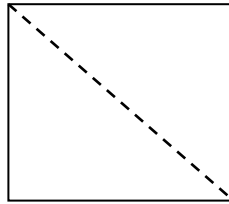
Option B: Triangle

Option C: Rectangle

Option D: Square

Correct option: (C) Rectangle

Test item-3: What shape will you get after folding the paper along the dotted line?



Option A: Rectangle

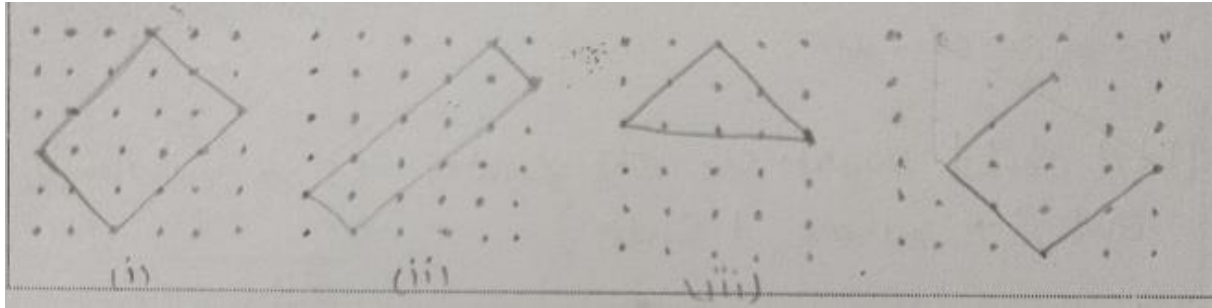
Option B: Triangle

Option C: Square

Option D: Circle

Correct option: B

Test item-4: Which of the following makes a rectangle?



Option A: (ii) Only

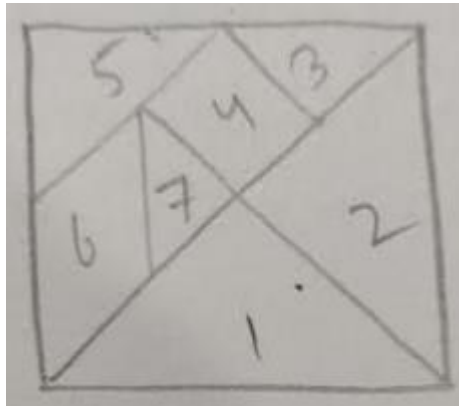
Option B: (iii) Only

Option C: (i) and (ii)

Option D: (iv) Only

Correct option: C

Test item-5: look at the figure carefully.



Which of the following pair of pieces makes largest triangle when joined?

Option A: 3 and 7

Option B: 5 and 1

Option C: 1 and 2

Option D: 1 and 3

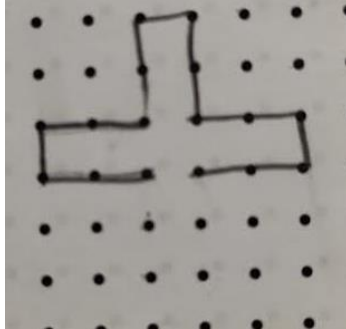
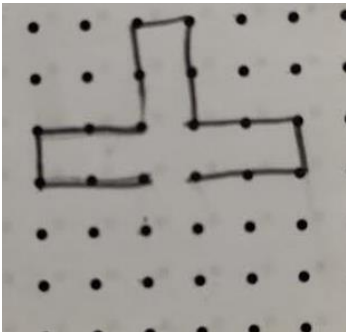
Correct option: C

Hints/ Solution

→ Piece 1 and piece 2 have triangle shape.

→ If we Join then it will make the biggest triangle.

Test item-6: How many line segments do you need to complete the plus '+' sign?



Option A: 3

Option B: 5

Option C : 6

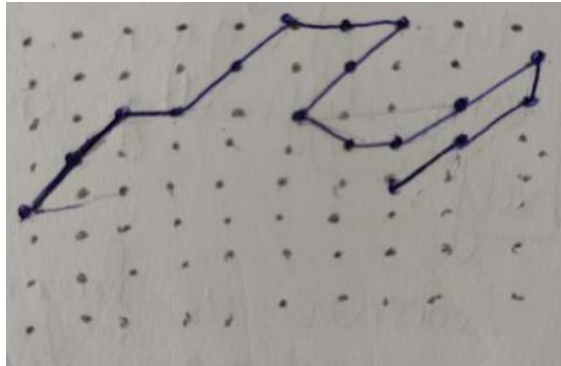
Option D: 2

Correct Option : A

Hints/ Solution

3 line segments complete the plus sign '+'.

Test item-7: How many dots you have to join to complete the missing half of given shape?



Option A: 17

Option B: 11

Option C : 8

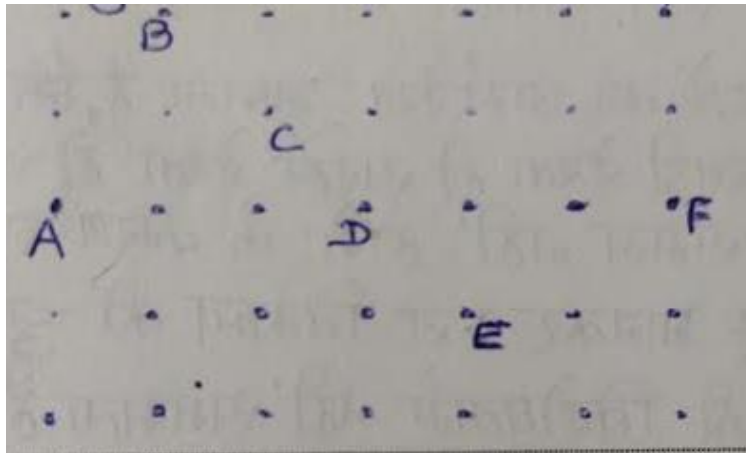
Option D: 10

Correct Option : A

Hints/ Solution

Half figure is given, than missing half requires same number of dot as the given half occupies.

Test item-8: Which three points when joined gives a triangle?



Option A: B, C and D

Option B: C, D and E

Option C: A, D and F

Option D: A, B and C

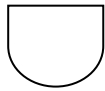
Correct Option: D

Test item-9: Which of the following do not have curved lines?

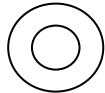
Option A:



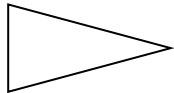
Option B:



Option C:

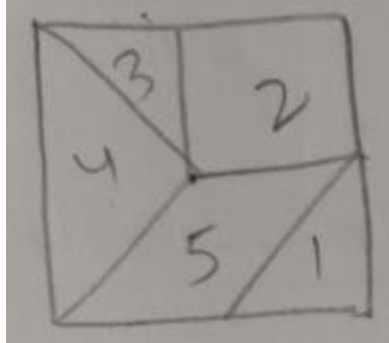


Option D:



Correct option: D

Test item-10: Which of the following pair of shapes have a common side?



Option A: 1 and 2

Option B: 3 and 4

Option C: 3 and 5

Option D: 4 and 2

Correct option: B

Hints/ Solution

Pair of shapes having common sides are

→(2 and 3), (3 and 4), (4 and 5), (5 and 1), (2 and 5)

→From the options, options 3 and 4 have common side.