# 4.17 Like Figures: 1-hour Pack

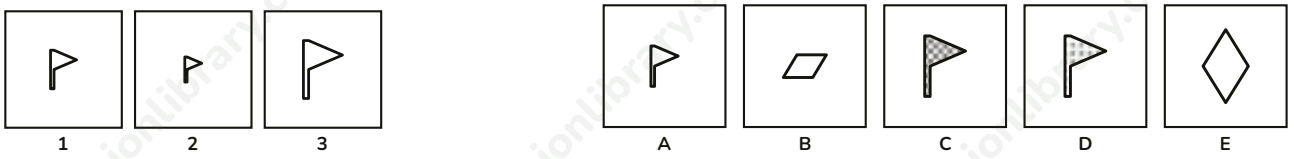
GL ASSESSMENT GL-EP.N5 · Calculators not allowed · about 60 minutes

Total Marks

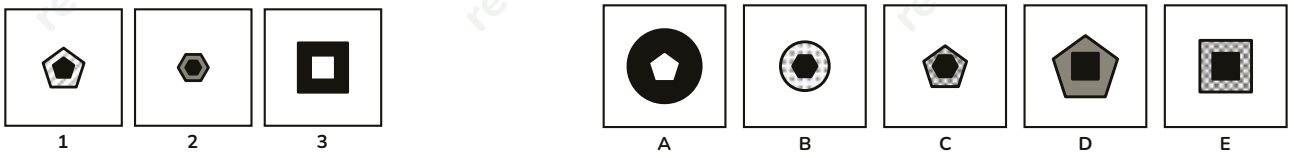
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**Answer ALL questions. Show all your working.**

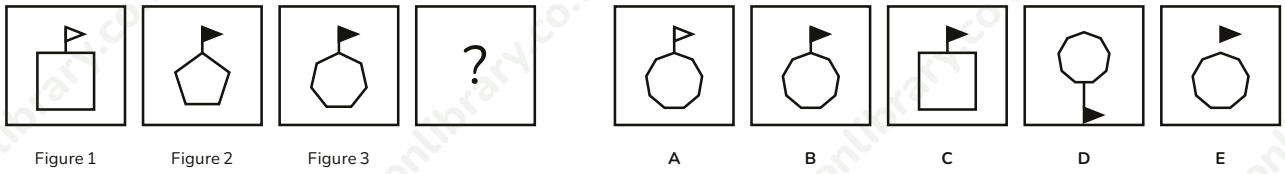
**1** Figures 1, 2 and 3 are alike in some way. Which one of the options A to E follows the same rule and belongs with the group?



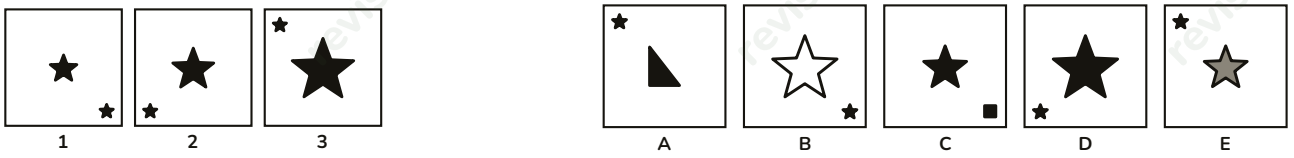

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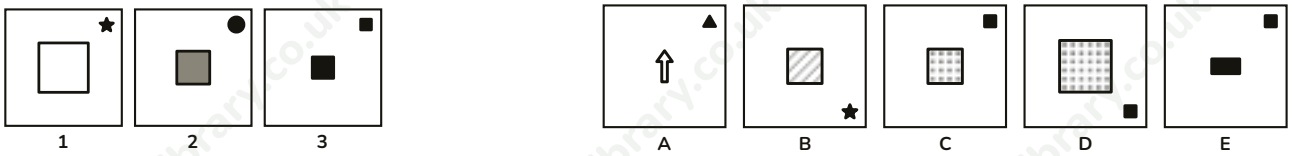

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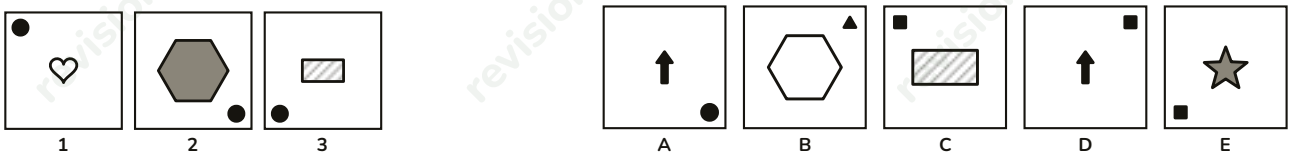

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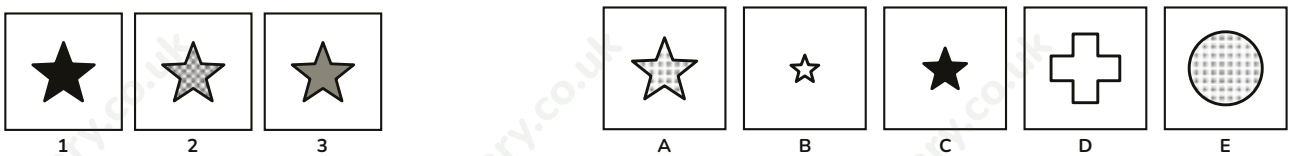

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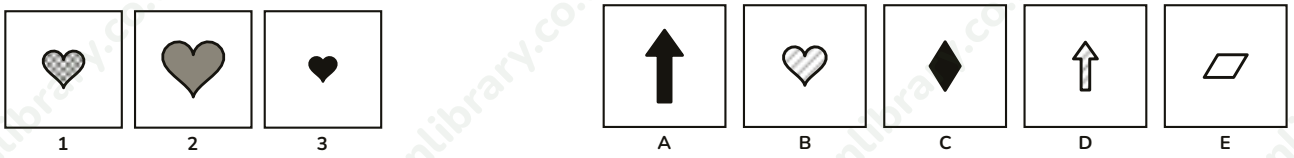

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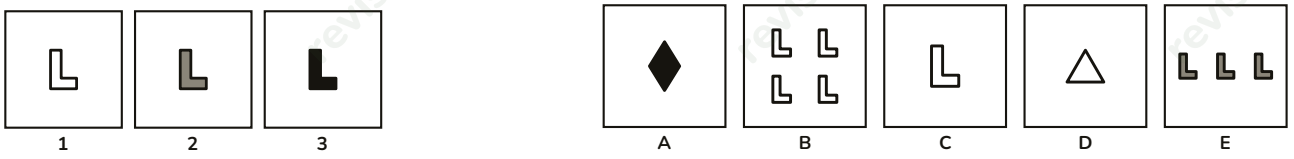


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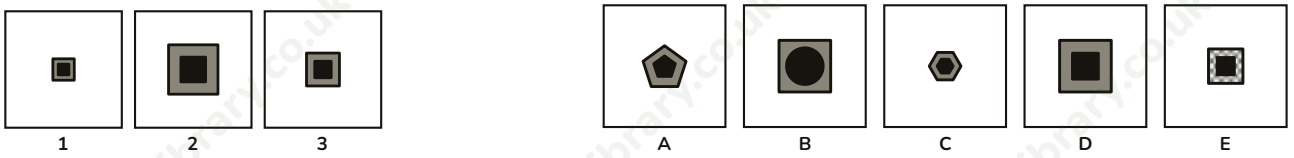
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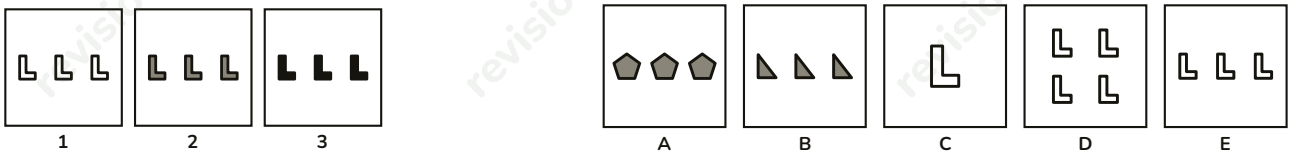

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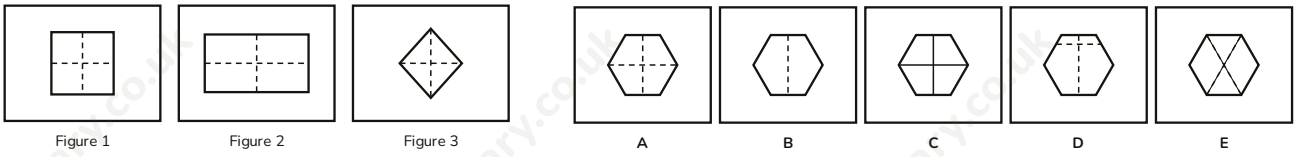

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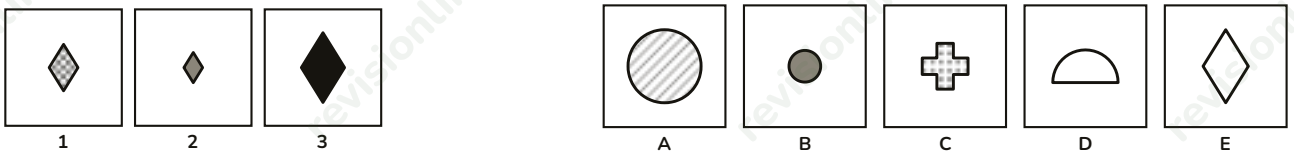

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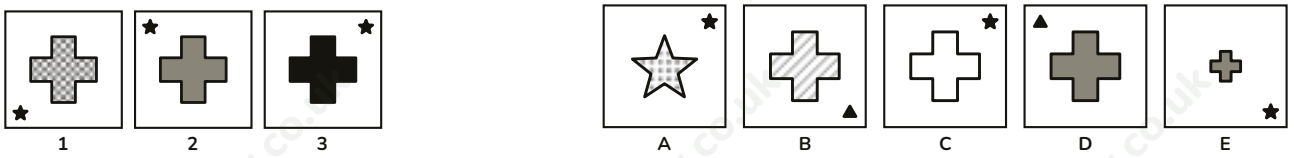

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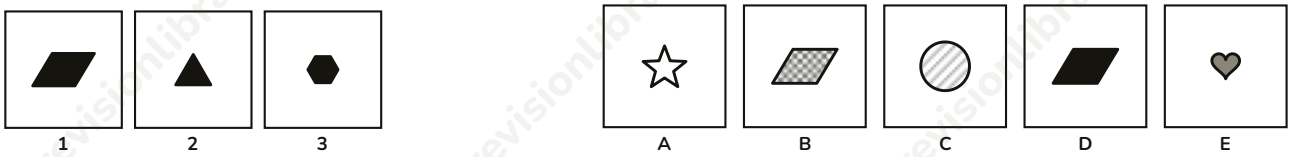

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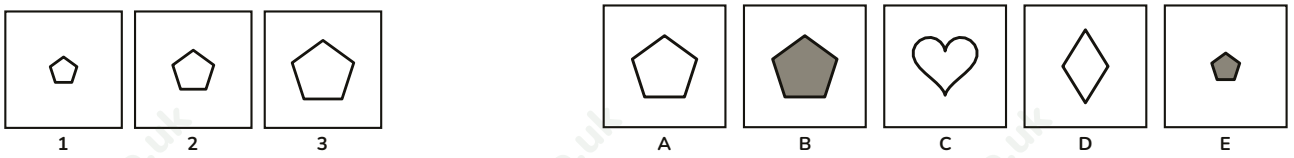

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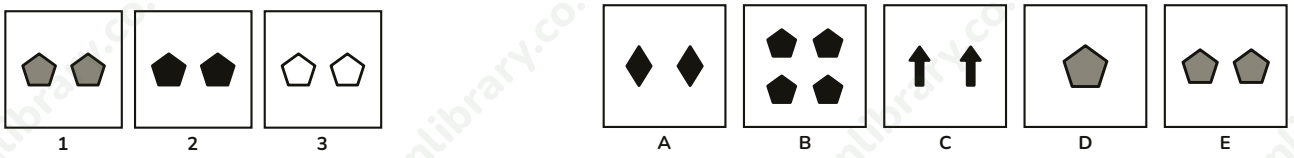

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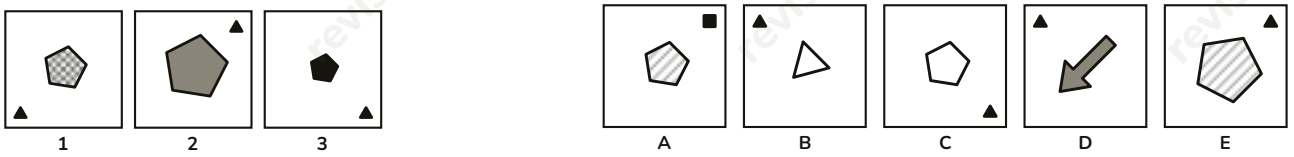


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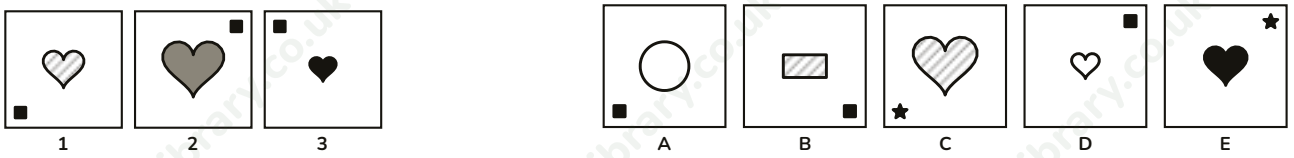
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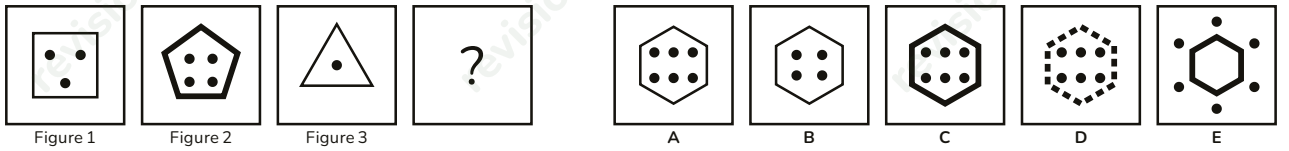

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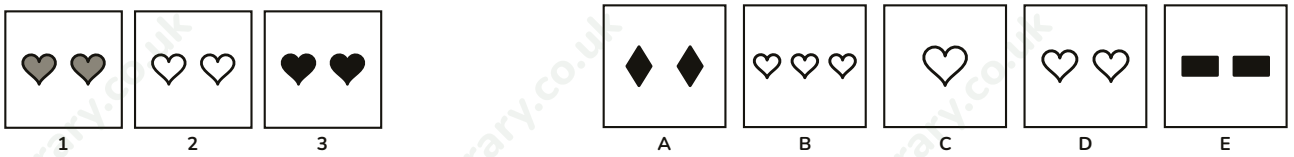

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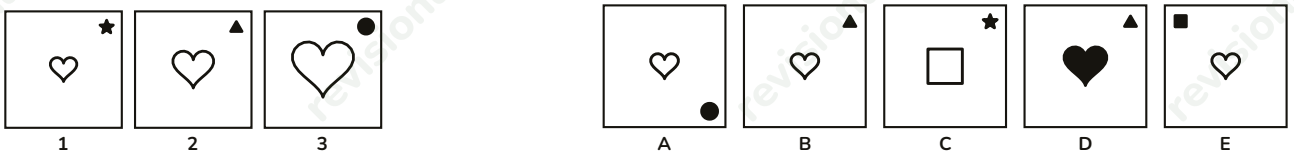

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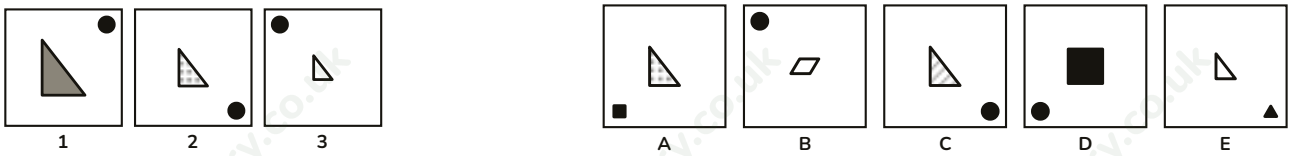

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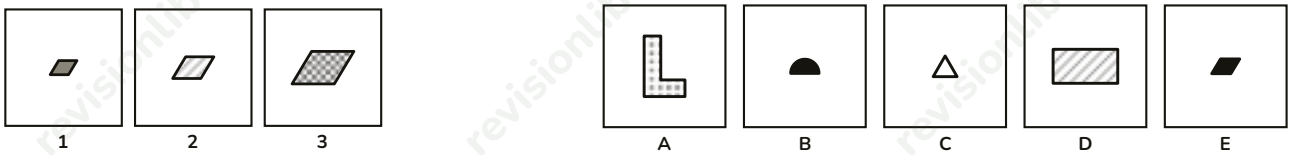

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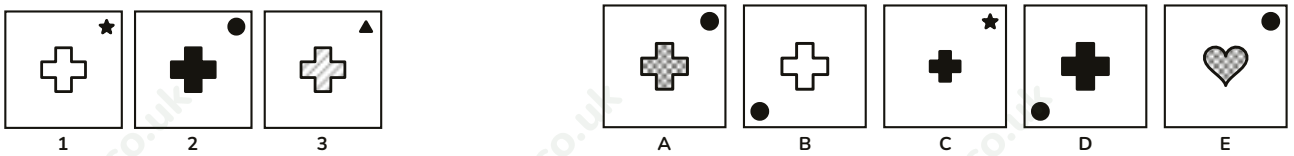

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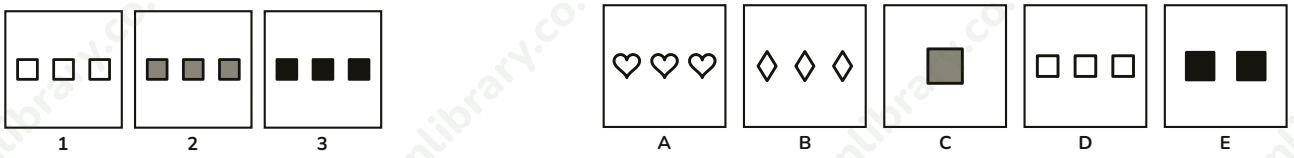

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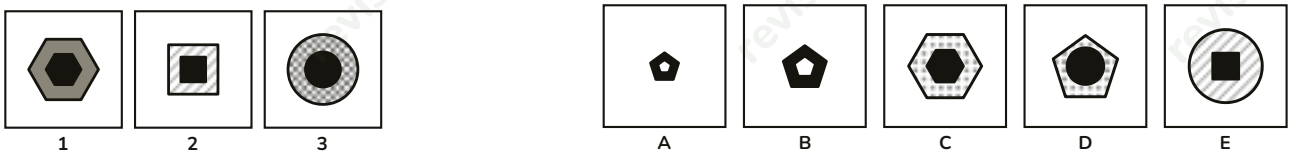


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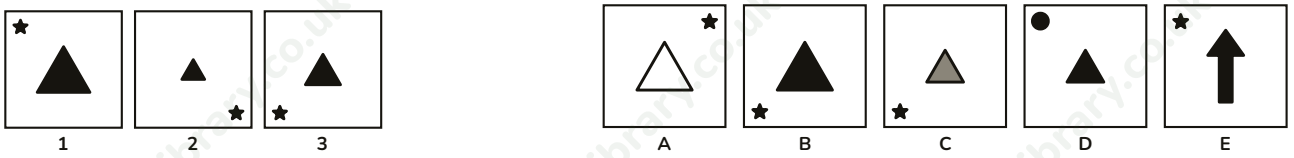
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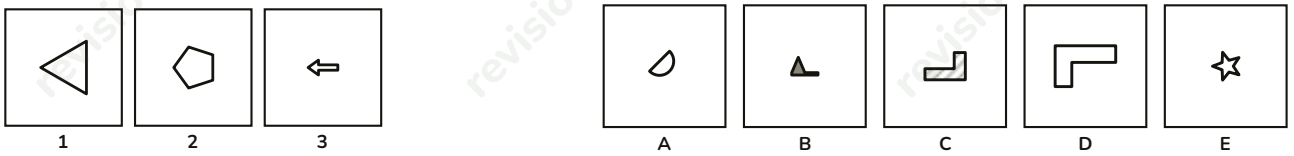

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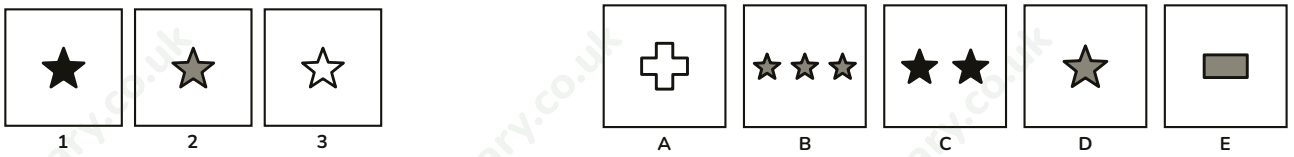

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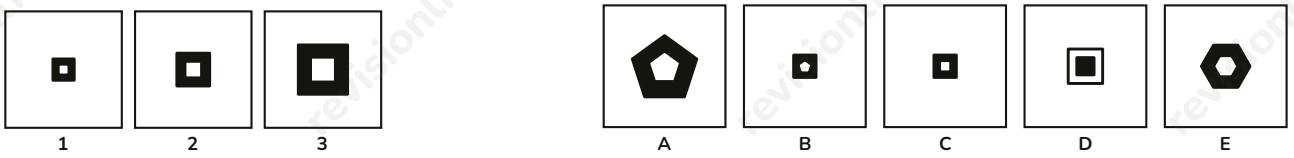

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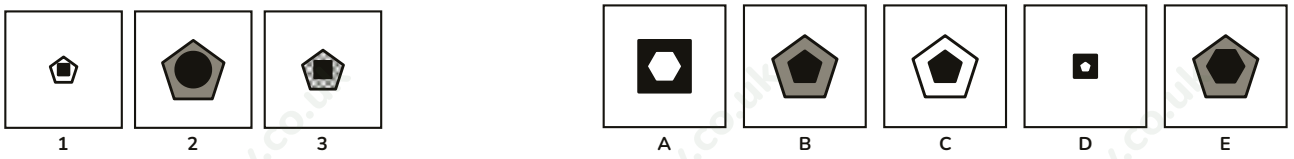

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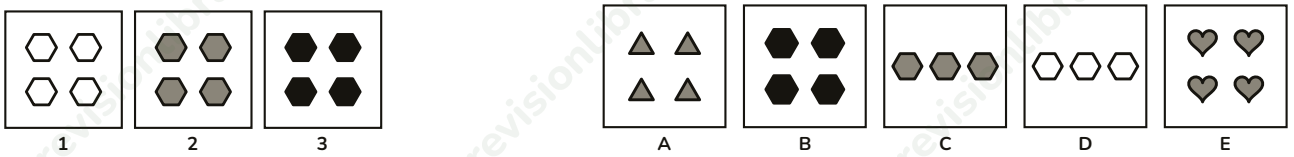

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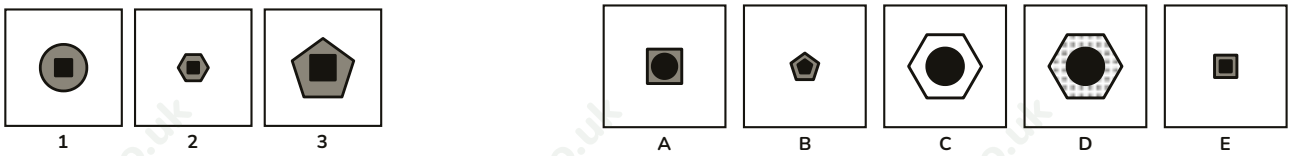

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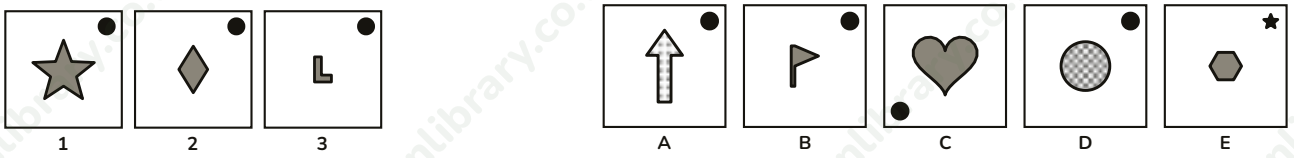

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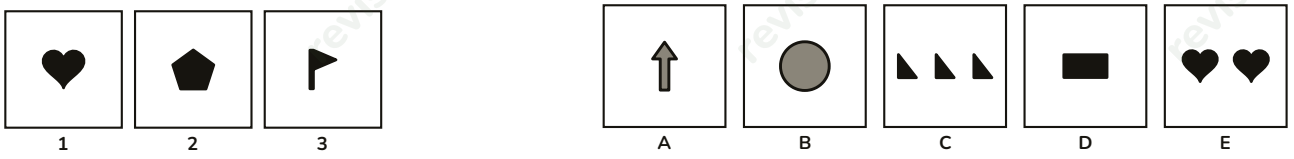


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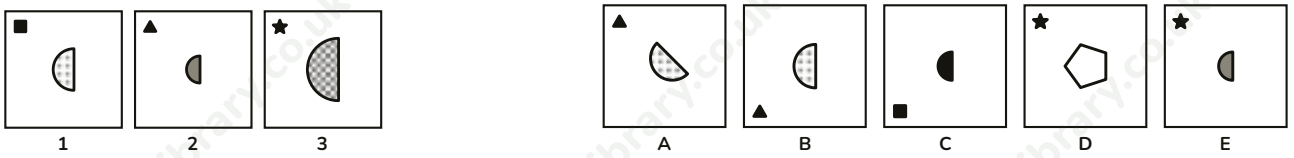
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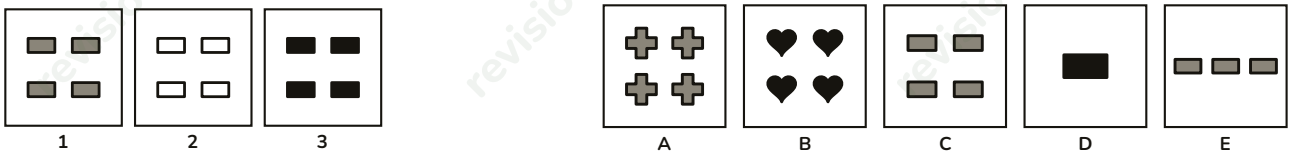

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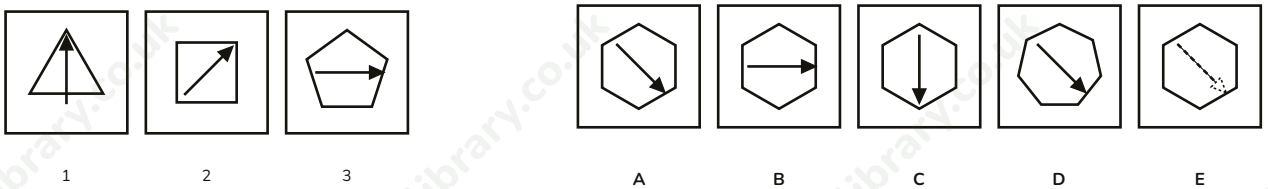

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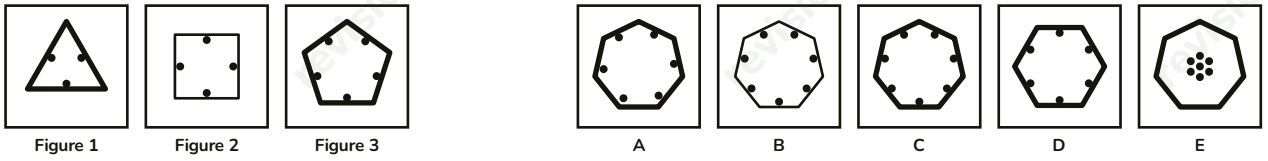

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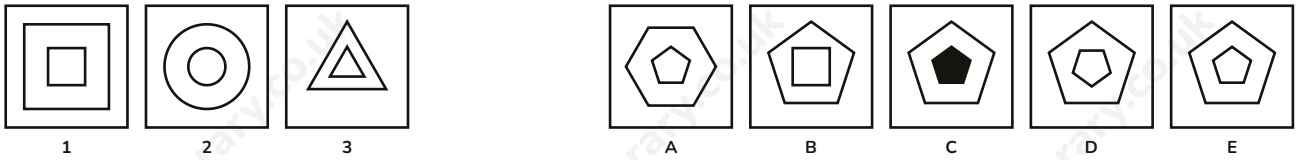

**39**




**40**




**41**





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# Mark scheme · 4.17 Like Figures: 1-hour Pack

## Question 1

selects option A: the figures 1, 2 and 3 are all unshaded (white) and are all flags, and only this option does the same (cao) **B1**

**Answer: A) A medium unshaded (white) flag (upright, the flag has its pole on the left, pennant pointing right from the top)**

## Question 2

selects option E: the figures 1, 2 and 3 each have a smaller copy of their own shape inside, and only this option does the same (cao) **B1**

**Answer: E) A large cross-hatched square, with a small solid black square centred inside it**

## Question 3

Correct option identified (B oe) - the pennant is shaded solid black only when the shape has more than 4 sides **B1**

**Answer: B**

## Question 4

selects option D: the figures 1, 2 and 3 are all solid black and are all stars and each have a small star in one corner, and only this option does the same (cao) **B1**

**Answer: D) A large solid black star with one point facing up and a small solid black star with one point facing up in the bottom-left**

## Question 5

selects option C: the figures 1, 2 and 3 each have a small shape in the top-right corner and are all squares, and only this option does the same (cao) **B1**

**Answer: C) A medium dotted square and a small solid black square in the top-right**

## Question 6

selects option A: the figures 1, 2 and 3 each have a small circle in one corner, and only this option does the same (cao) **B1**

**Answer: A) A small solid black arrow pointing up and a small solid black circle in the bottom-right**

## Question 7

selects option A: the figures 1, 2 and 3 are all stars and are all large, and only this option does the same (cao) **B1**

**Answer: A) A large dotted star with one point facing up**

## Question 8

selects option B: the figures 1, 2 and 3 are all hearts, and only this option does the same (cao) **B1**

**Answer: B) A medium diagonally hatched heart with its point facing down**

## Question 9

selects option C: the figures 1, 2 and 3 are each made of 1 shape and are all L-shapes, and only this option does the same (cao) **B1**

**Answer: C) A medium unshaded (white) L-shape (upright, the L-shape has its tall arm on the left, foot pointing right along the bottom)**

## Question 10

selects option D: the figures 1, 2 and 3 are all squares and each have a smaller copy of their own shape inside and are all mid-grey, and only this option does the same (cao) **B1**

**Answer: D) A large mid-grey square, with a small solid black square centred inside it**

## Question 11

selects option E: the figures 1, 2 and 3 are each made of 3 shapes and are all L-shapes, and only this option does the same (cao) **B1**

**Answer: E) Three small unshaded (white) L-shapes side by side in a row (upright, the L-shape has its tall arm on the left, foot pointing right along the bottom)**

## Question 12

Correct option identified (A oe) - one vertical dashed line and one horizontal dashed line crossing at the shape's centre **B1**

**Answer: A**

## Question 13

selects option E: the figures 1, 2 and 3 are all diamonds, and only this option does the same (cao) **B1**

**Answer: E) A large unshaded (white) diamond**

## Question 14

selects option C: the figures 1, 2 and 3 each have a small star in one corner and are all crosses and are all large, and only this option does the same (cao) **B1**

**Answer: C) A large unshaded (white) cross and a small solid black star with one point facing up in the top-right**

## Question 15

selects option D: the figures 1, 2 and 3 are all solid black, and only this option does the same (cao) **B1**

**Answer: D) A large solid black parallelogram (upright, the parallelogram has its long sides horizontal, slanting up to the right)**

## Question 16

selects option A: the figures 1, 2 and 3 are all unshaded (white) and are all pentagons, and only this option does the same (cao) **B1**

**Answer: A) A large unshaded (white) pentagon with one point facing up**

## Question 17

selects option E: the figures 1, 2 and 3 are each made of 2 shapes and are all pentagons, and only this option does the same (cao) **B1**

**Answer: E) Two small mid-grey pentagons with one point facing up side by side in a row**


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## Question 18

selects option C: the figures 1, 2 and 3 are all pentagons and each have a small triangle in one corner and all have the same orientation (turned 225 degrees clockwise from upright), and only this option does the same (cao) **B1**

**Answer: C) A medium unshaded (white) pentagon with one point facing down-left and a small solid black triangle with one point facing up in the bottom-right**

## Question 19

selects option D: the figures 1, 2 and 3 are all hearts and each have a small square in one corner, and only this option does the same (cao) **B1**

**Answer: D) A small unshaded (white) heart with its point facing down and a small solid black square in the top-right**

## Question 20

Correct option identified (C oe) - the outline is bold when the number of internal dots is even, thin when odd **B1**

**Answer: C**

## Question 21

selects option D: the figures 1, 2 and 3 are all hearts and are each made of 2 shapes, and only this option does the same (cao) **B1**

**Answer: D) Two small unshaded (white) hearts with their points facing down side by side in a row**

## Question 22

selects option B: the figures 1, 2 and 3 each have a small shape in the top-right corner and are all unshaded (white) and are all hearts, and only this option does the same (cao) **B1**

**Answer: B) A small unshaded (white) heart with its point facing down and a small solid black triangle with one point facing up in the top-right**

## Question 23

selects option C: the figures 1, 2 and 3 are all right-angled triangles and each have a small circle in one corner, and only this option does the same (cao) **B1**

**Answer: C) A medium diagonally hatched right-angled triangle and a small solid black circle in the bottom-right (upright, the right-angled triangle has its right angle at the bottom left, longer side along the bottom)**

## Question 24

selects option E: the figures 1, 2 and 3 are all parallelograms, and only this option does the same (cao) **B1**

**Answer: E) A small solid black parallelogram (upright, the parallelogram has its long sides horizontal, slanting up to the right)**

## Question 25

selects option A: the figures 1, 2 and 3 each have a small shape in the top-right corner and are all crosses and are all medium, and only this option does the same (cao) **B1**

**Answer: A) A medium cross-hatched cross and a small solid black circle in the top-right**

## Question 26

selects option D: the figures 1, 2 and 3 are each made of 3 shapes and are all squares, and only this option does the same (cao) **B1**

**Answer: D) Three small unshaded (white) squares side by side in a row**

## Question 27

selects option C: the figures 1, 2 and 3 are all large and each have a smaller copy of their own shape inside, and only this option does the same (cao) **B1**

**Answer: C) A large dotted hexagon, with a small solid black hexagon centred inside it (upright, the hexagon has its flat top and bottom)**

## Question 28

selects option B: the figures 1, 2 and 3 are all solid black and are all triangles and each have a small star in one corner, and only this option does the same (cao) **B1**

**Answer: B) A large solid black triangle with one point facing up and a small solid black star with one point facing up in the bottom-left**

## Question 29

selects option E: the figures 1, 2 and 3 all have the same orientation (turned 270 degrees clockwise from upright) and are all unshaded (white), and only this option does the same (cao) **B1**

**Answer: E) A small unshaded (white) star with one point facing left**

## Question 30

selects option D: the figures 1, 2 and 3 are each made of 1 shape and are all stars, and only this option does the same (cao) **B1**

**Answer: D) A medium mid-grey star with one point facing up**

## Question 31

selects option C: the figures 1, 2 and 3 are all squares and each have a smaller copy of their own shape inside and are all solid black, and only this option does the same (cao) **B1**

**Answer: C) A small solid black square, with a small unshaded (white) square centred inside it**

## Question 32

selects option E: the figures 1, 2 and 3 are all pentagons and each have a smaller shape of a different kind inside, and only this option does the same (cao) **B1**

**Answer: E) A large mid-grey pentagon with one point facing up, with a small solid black hexagon centred inside it (upright, the hexagon has its flat top and bottom)**

## Question 33

selects option B: the figures 1, 2 and 3 are all hexagons and are each made of 4 shapes, and only this option does the same (cao) **B1**

**Answer: B) Four small solid black hexagons arranged in a block (upright, the hexagon has its flat top and bottom)**


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## Question 34

selects option A: the figures 1, 2 and 3 each have a smaller shape of a different kind inside and are all mid-grey, and only this option does the same (cao) **B1**

**Answer: A) A medium mid-grey square, with a small solid black circle centred inside it**

## Question 35

selects option B: the figures 1, 2 and 3 are all mid-grey and each have a small circle in one corner and each have a small shape in the top-right corner, and only this option does the same (cao) **B1**

**Answer: B) A medium mid-grey flag and a small solid black circle in the top-right (upright, the flag has its pole on the left, pennant pointing right from the top)**

## Question 36

selects option D: the figures 1, 2 and 3 are all solid black and are each made of 1 shape, and only this option does the same (cao) **B1**

**Answer: D) A medium solid black rectangle (upright, the rectangle has its long sides horizontal)**

## Question 37

selects option E: the figures 1, 2 and 3 each have a small shape in the top-left corner and all have the same orientation (turned 270 degrees clockwise from upright) and are all semicircles, and only this option does the same (cao) **B1**

**Answer: E) A small mid-grey semicircle with its curved side facing left and a small solid black star with one point facing up in the top-left**

## Question 38

selects option C: the figures 1, 2 and 3 are all rectangles and are each made of 4 shapes, and only this option does the same (cao) **B1**

**Answer: C) Four small mid-grey rectangles arranged in a block (upright, the rectangle has its long sides horizontal)**

## Question 39

Correct option identified (A oe) - arrow rotates 45 degrees clockwise for each side beyond the 3-sided baseline of 0 degrees **B1**

**Answer: A**

## Question 40

Correct option identified (C oe) - ring of dots near the inside edge equal to the number of sides, bold outline only when sides are a prime number **B1**

**Answer: C**

## Question 41

Correct option identified (E oe) - a smaller unshaded copy of the outer shape, in the same orientation, sits centred inside the larger version **B1**

**Answer: E**


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