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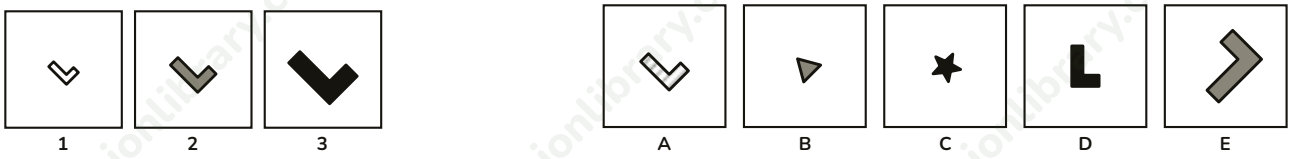
GL ASSESSMENT GL-EP.N5 · Calculators not allowed · about 60 minutes

Total Marks

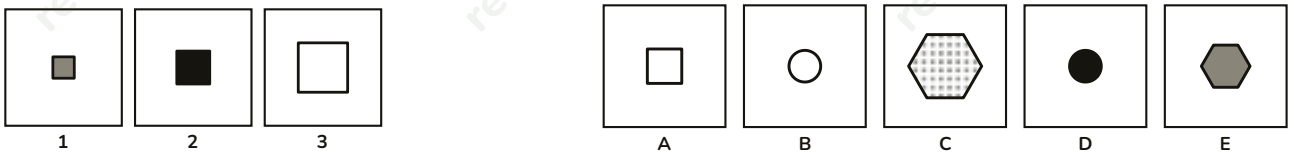
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Answer ALL questions. Show all your working.

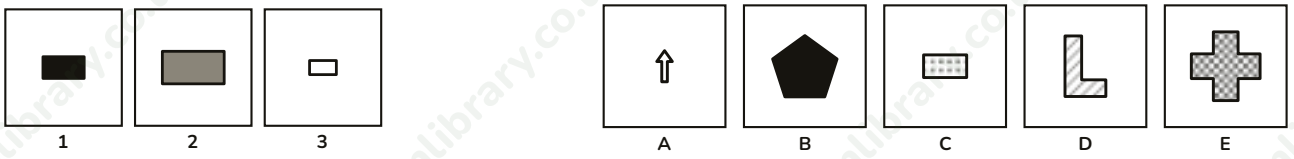
1 Figures 1, 2 and 3 are alike in some way. Which one of the options A to E follows the same rule and belongs with the group?



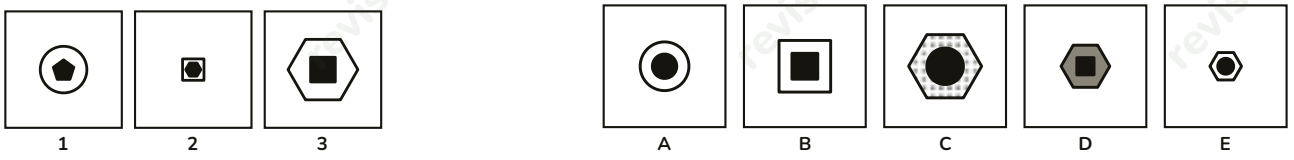
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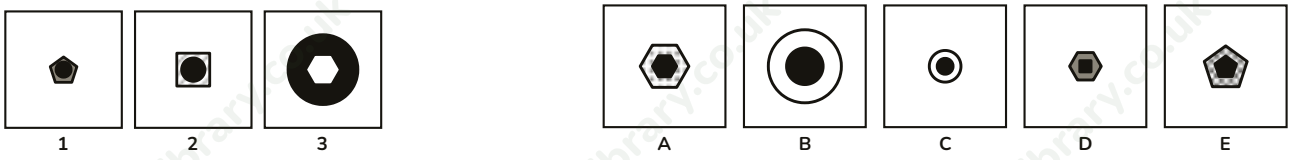
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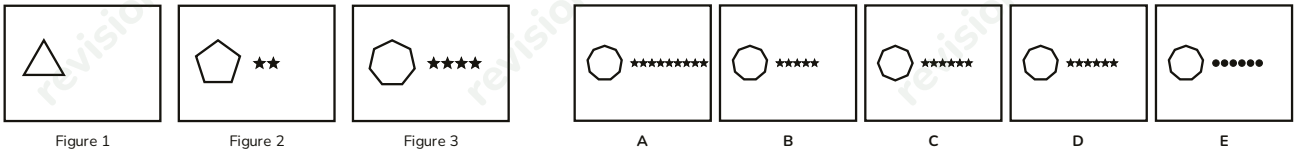
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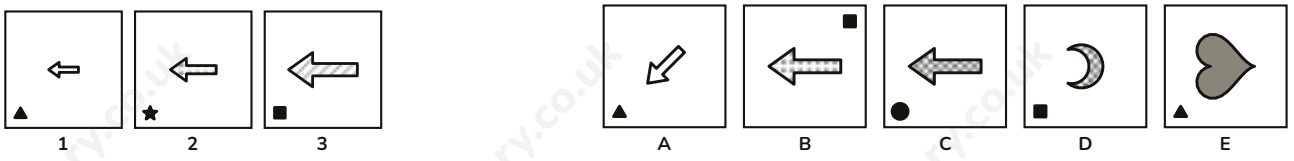
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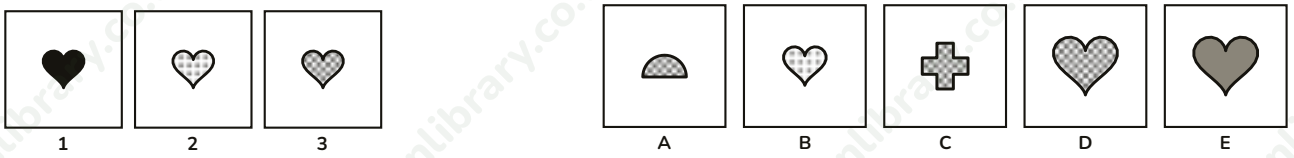


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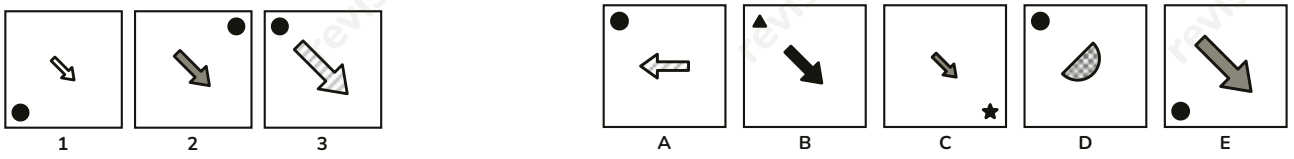


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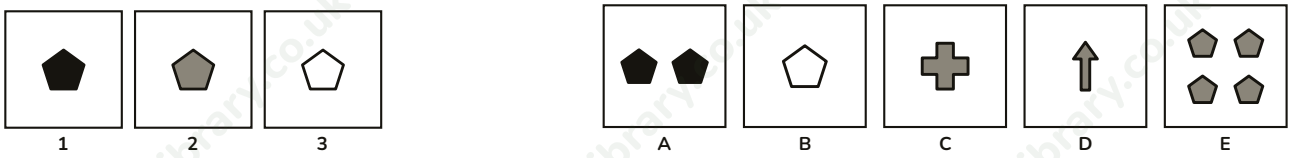
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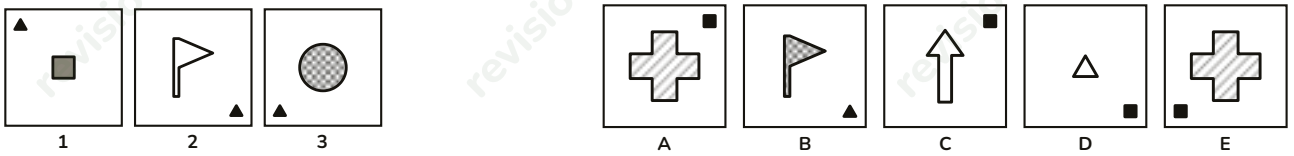
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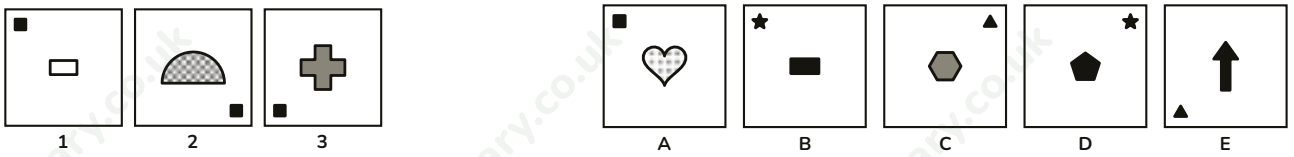
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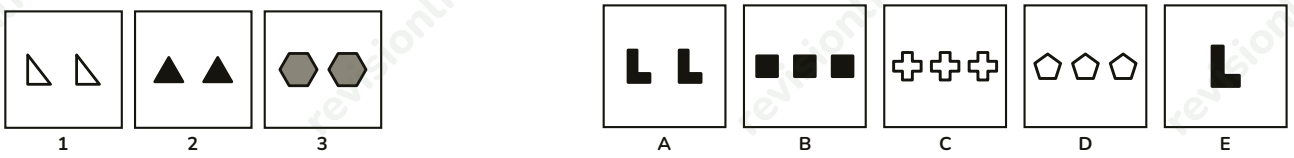
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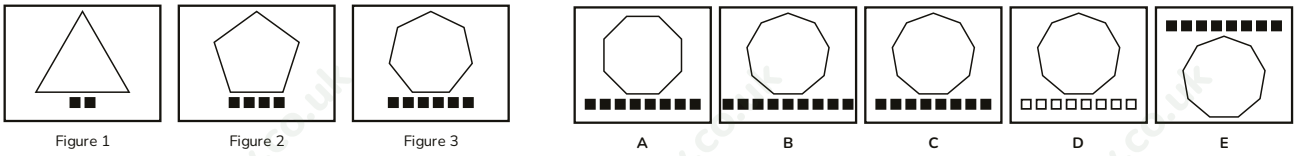
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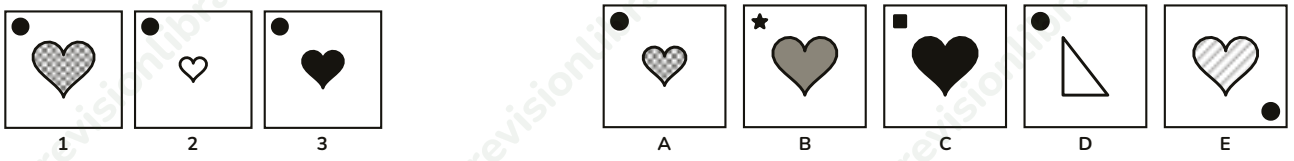
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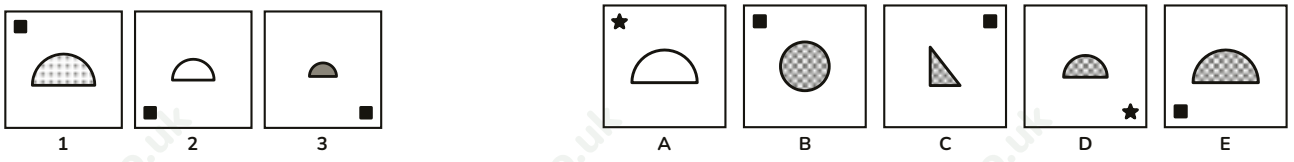
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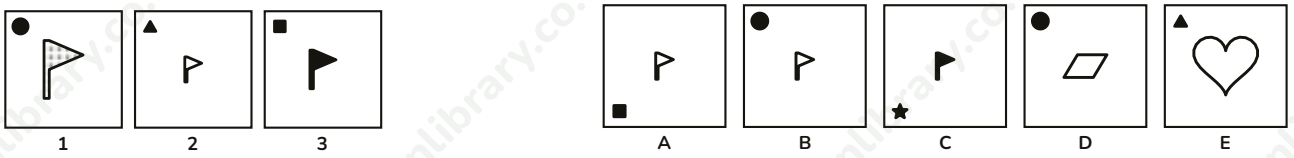


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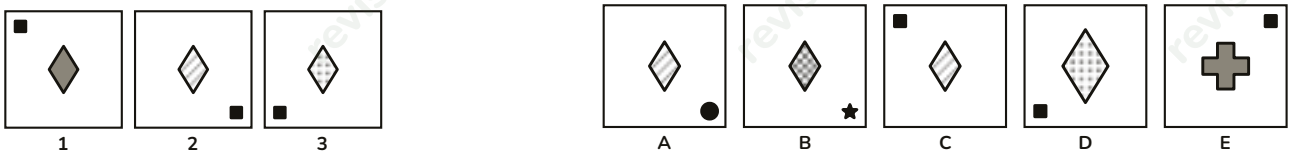


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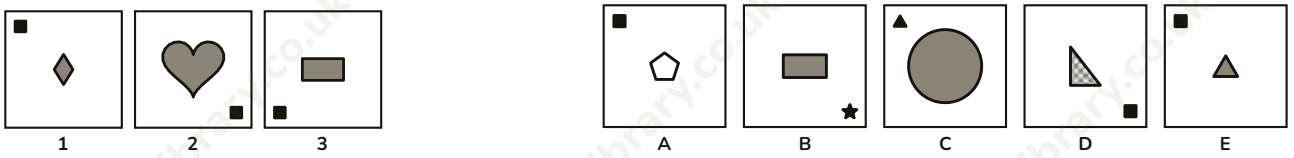
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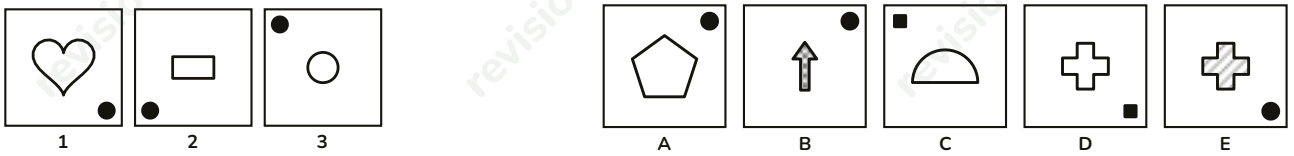
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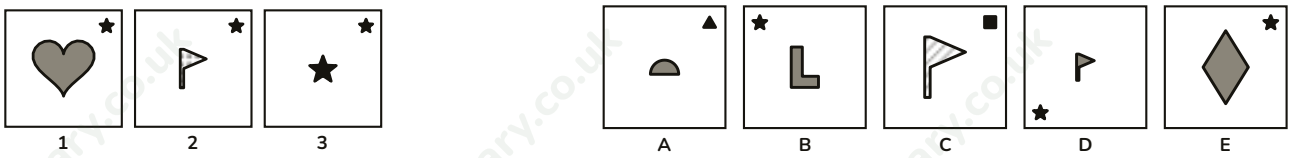
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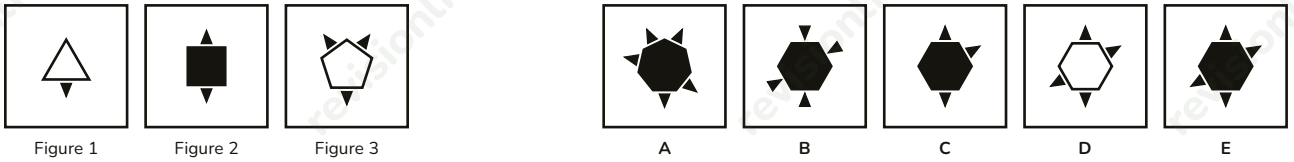
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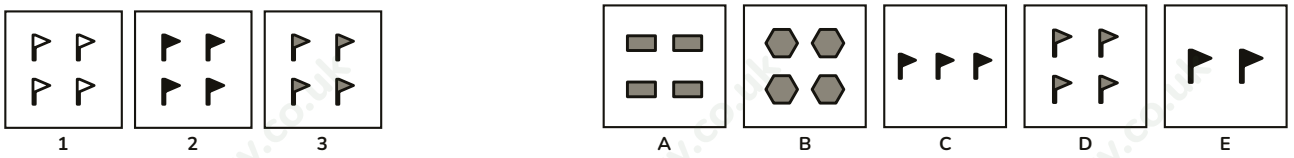
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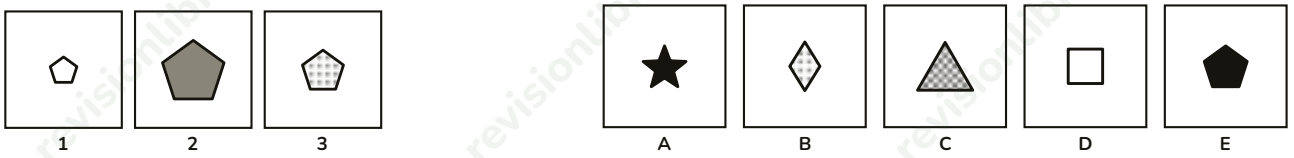
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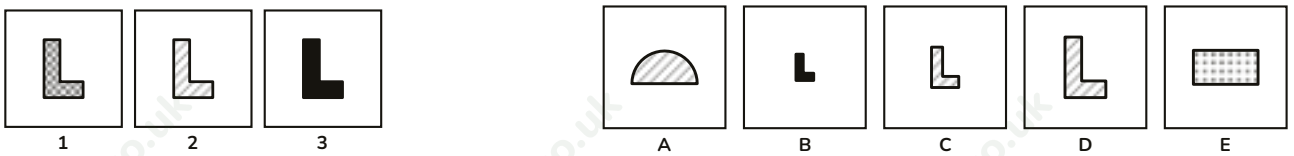
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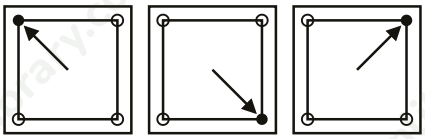


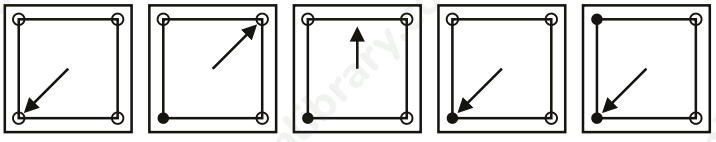
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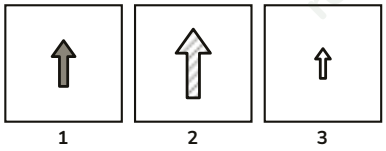
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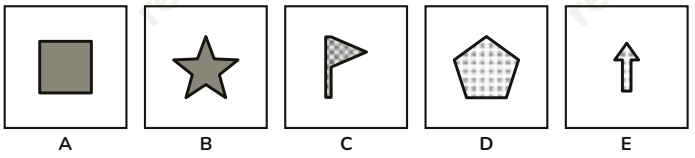
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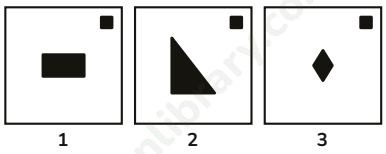


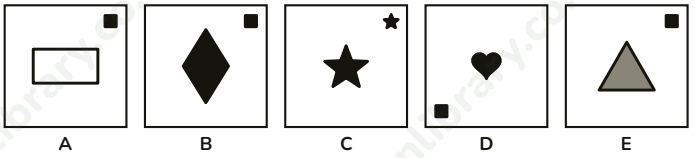
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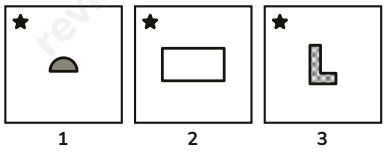


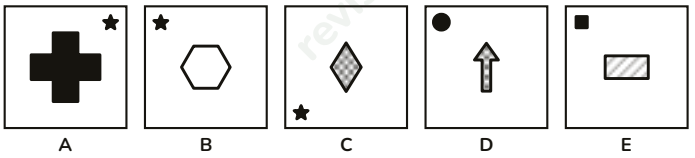
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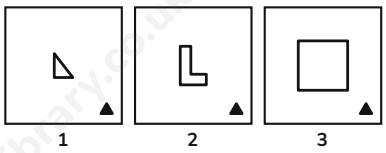


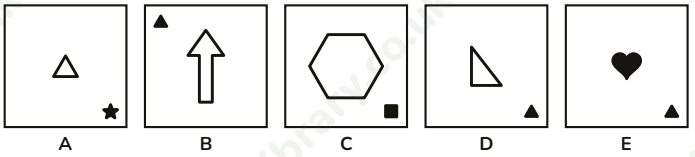
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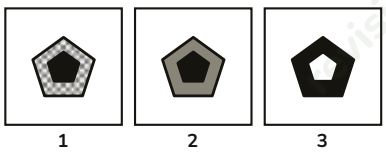


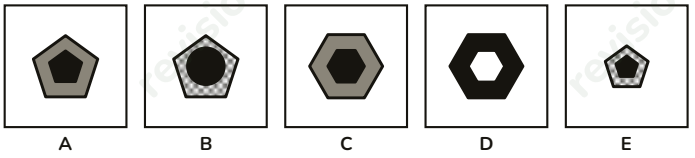
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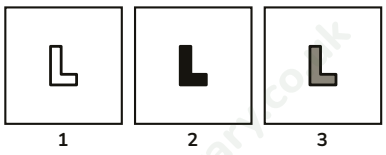


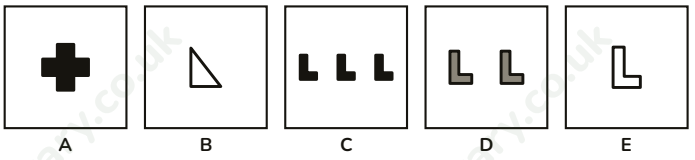
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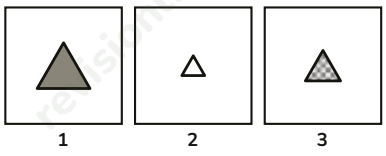


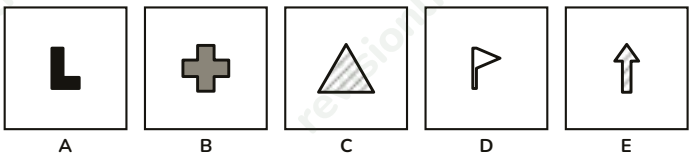
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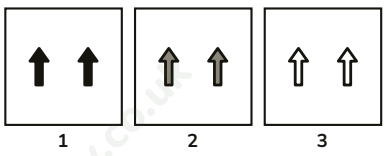


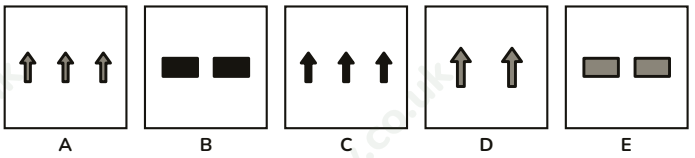
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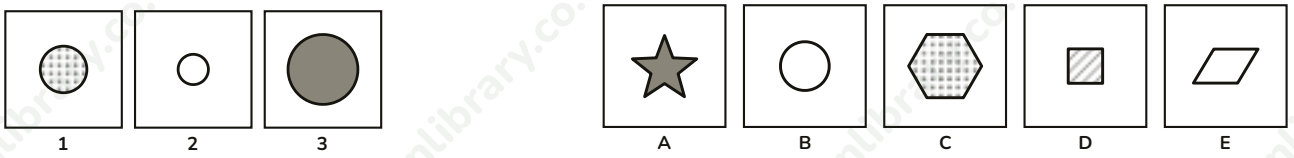
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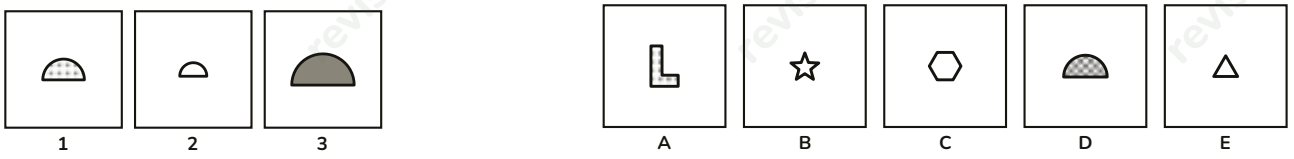


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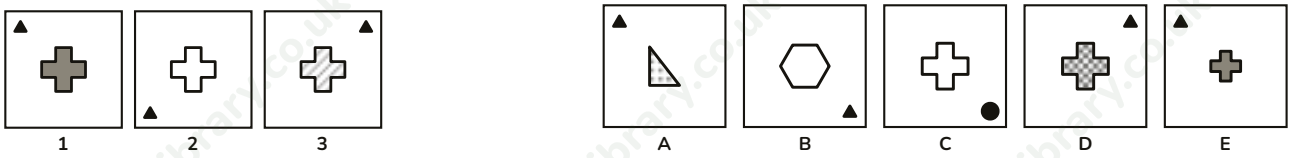
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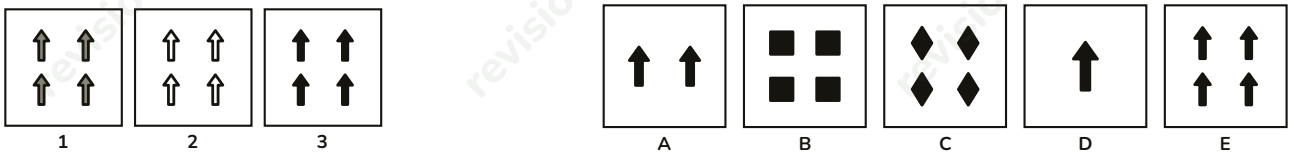
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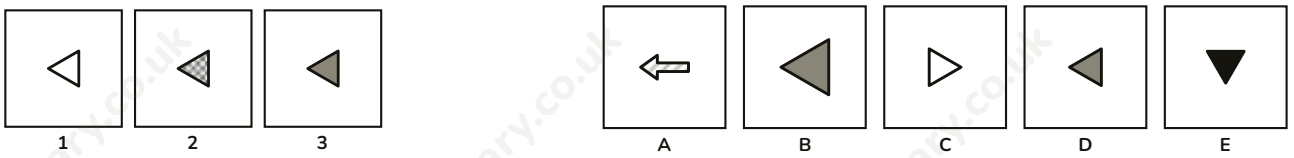
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Mark scheme · 4.17 Like Figures: Test Pack

Question 1

selects option A: the figures 1, 2 and 3 all have the same orientation (turned 315 degrees clockwise from upright) and are all L-shapes, and only this option does the same (cao) **B1**

Answer: A) A medium diagonally hatched L-shape (turned 315 degrees clockwise) (upright, the L-shape has its tall arm on the left, foot pointing right along the bottom)

Question 2

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

Answer: A) A medium unshaded (white) square

Question 3

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

Answer: C) A medium dotted rectangle (upright, the rectangle has its long sides horizontal)

Question 4

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

Answer: E) A small unshaded (white) hexagon, with a small solid black circle centred inside it (upright, the hexagon has its flat top and bottom)

Question 5

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

Answer: D) A small mid-grey hexagon, with a small solid black square centred inside it (upright, the hexagon has its flat top and bottom)

Question 6

Correct option identified (D oe) - number of stars equals the number of sides minus 3 **B1**

Answer: D

Question 7

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

Answer: C) A large cross-hatched arrow pointing left and a small solid black circle in the bottom-left

Question 8

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

Answer: B) A medium dotted heart with its point facing down

Question 9

selects option E: the figures 1, 2 and 3 each have a small circle in one corner and all have the same orientation (turned 135 degrees clockwise from upright) and are all arrows, and only this option does the same (cao) **B1**

Answer: E) A large mid-grey arrow pointing down-right and a small solid black circle in the bottom-left

Question 10

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

Answer: B) A medium unshaded (white) pentagon with one point facing up

Question 11

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

Answer: B) A large cross-hatched flag and a small solid black triangle with one point facing up in the bottom-right (upright, the flag has its pole on the left, pennant pointing right from the top)

Question 12

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

Answer: A) A medium dotted heart with its point facing down and a small solid black square in the top-left

Question 13

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

Answer: A) Two small solid black 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 14

Correct option identified (C oe) - number of squares along the bottom equals the number of sides minus 1 **B1**

Answer: C

Question 15

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

Answer: A) A medium cross-hatched heart with its point facing down and a small solid black circle in the top-left

Question 16

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

Answer: E) A large cross-hatched semicircle with its curved side facing up and a small solid black square in the bottom-left

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Question 17

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

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

Question 18

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

Answer: C) A medium diagonally hatched diamond and a small solid black square in the top-left

Question 19

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

Answer: E) A small mid-grey triangle with one point facing up and a small solid black square in the top-left

Question 20

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

Answer: A) A large unshaded (white) pentagon with one point facing up and a small solid black circle in the top-right

Question 21

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

Answer: E) A large mid-grey diamond and a small solid black star with one point facing up in the top-right

Question 22

Correct option identified (E oe) - shape shaded black only if sides are even, surrounded by (sides minus 2) outward-pointing triangles **B1**

Answer: E

Question 23

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

Answer: D) Four small mid-grey flags arranged in a block (upright, the flag has its pole on the left, pennant pointing right from the top)

Question 24

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

Answer: E) A medium solid black pentagon with one point facing up

Question 25

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

Answer: D) A large diagonally hatched L-shape (upright, the L-shape has its tall arm on the left, foot pointing right along the bottom)

Question 26

Correct option identified (D oe) - the centre arrow always points towards the single corner marked with a solid black dot **B1**

Answer: D

Question 27

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

Answer: E) A medium dotted arrow pointing up

Question 28

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

Answer: B) A large solid black diamond and a small solid black square in the top-right

Question 29

selects option B: the figures 1, 2 and 3 each have a small shape in the top-left corner and each have a small star in one corner, and only this option does the same (cao) **B1**

Answer: B) A medium unshaded (white) hexagon and a small solid black star with one point facing up in the top-left (upright, the hexagon has its flat top and bottom)

Question 30

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

Answer: D) A medium unshaded (white) right-angled triangle and a small solid black triangle with one point facing up in the bottom-right (upright, the right-angled triangle has its right angle at the bottom left, longer side along the bottom)

Question 31

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

Answer: A) A large mid-grey pentagon with one point facing up, with a small solid black pentagon with one point facing up centred inside it

Question 32

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

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Question 33

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

Answer: C) A large diagonally hatched triangle with one point facing up

Question 34

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

Answer: D) Two small mid-grey arrows pointing up side by side in a row

Question 35

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

Answer: B) A medium unshaded (white) circle

Question 36

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

Answer: D) A medium cross-hatched semicircle with its curved side facing up

Question 37

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

Answer: D) A medium cross-hatched cross and a small solid black triangle with one point facing up in the top-right

Question 38

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

Answer: E) Four small solid black arrows pointing up arranged in a block

Question 39

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

Answer: D) A medium mid-grey triangle with one point facing left

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