4.17 Like Figures: 30-minute Pack

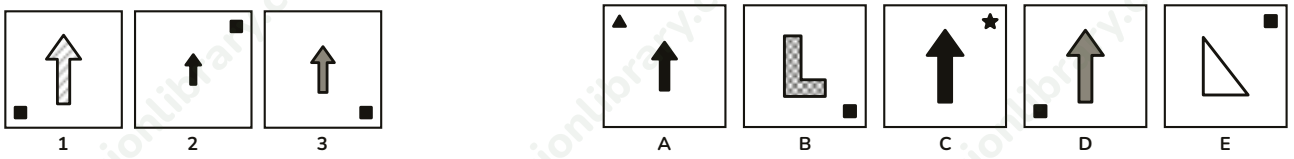
GL ASSESSMENT GL-EP.N5 · Calculators not allowed · about 30 minutes

Total Marks

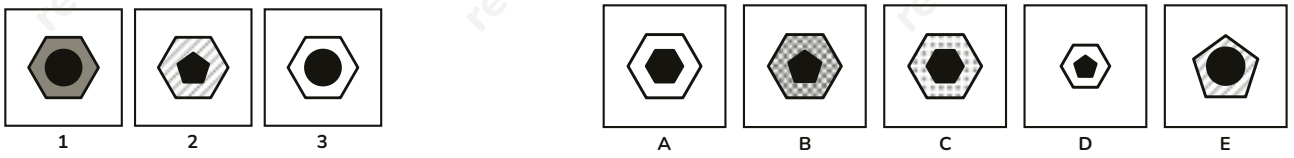
Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

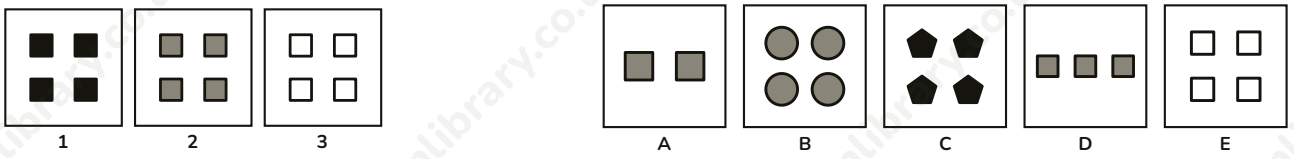
1 Figures 1, 2 and 3 are alike in some way. Which one of the options A to E follows the same rule and belongs with the group?



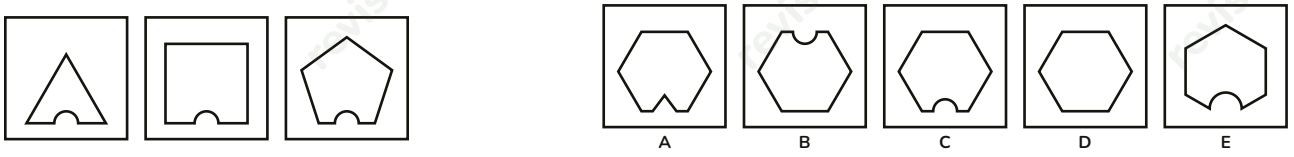
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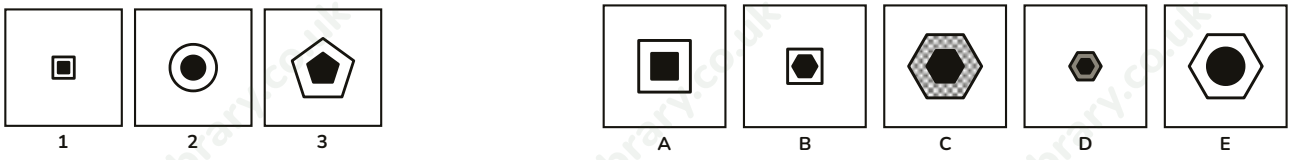
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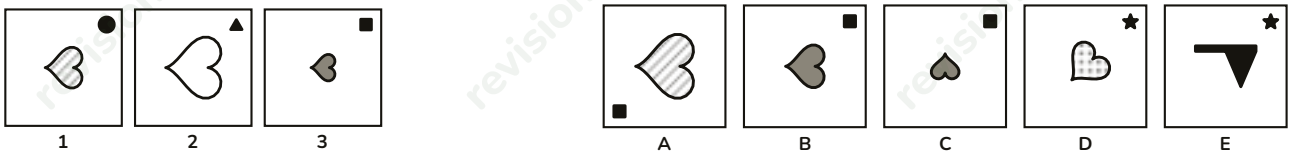
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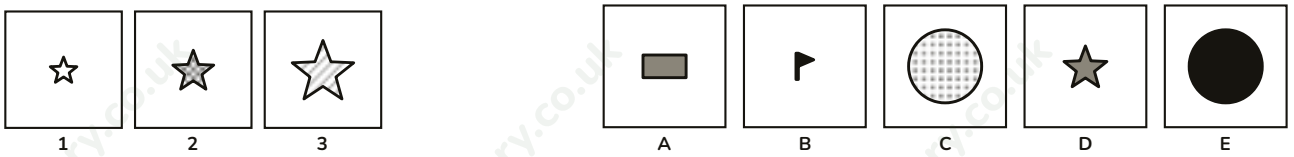
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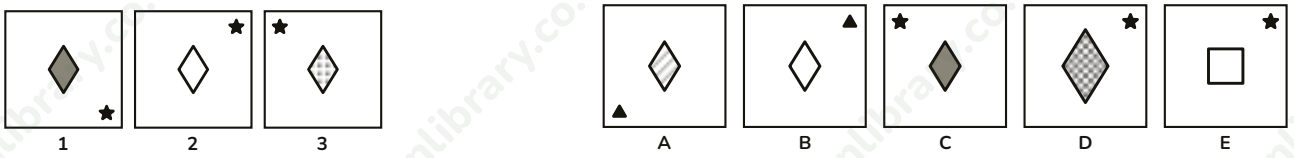


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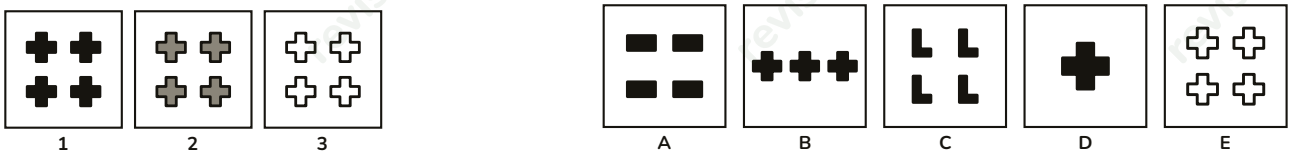


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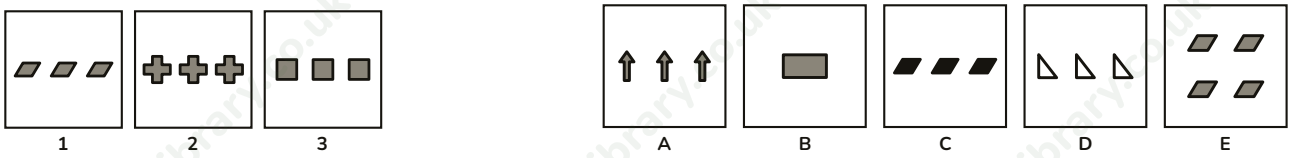
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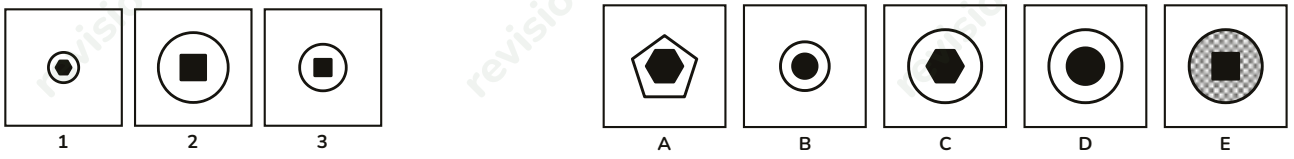
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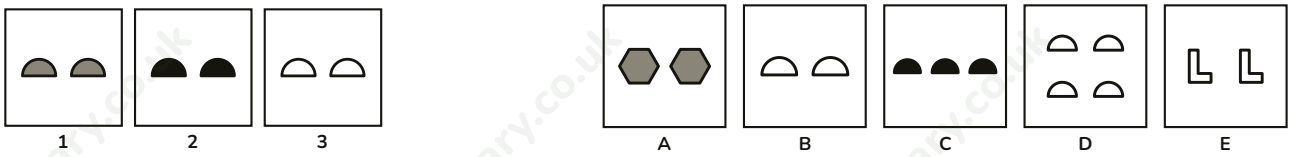
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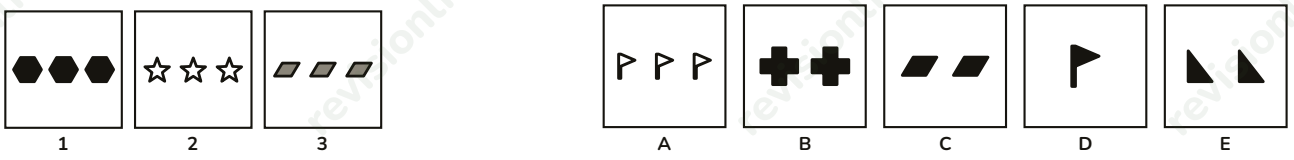
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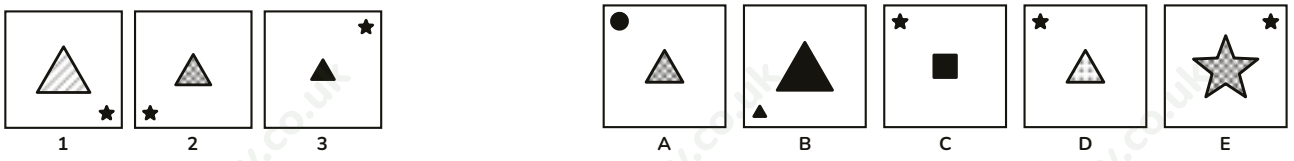
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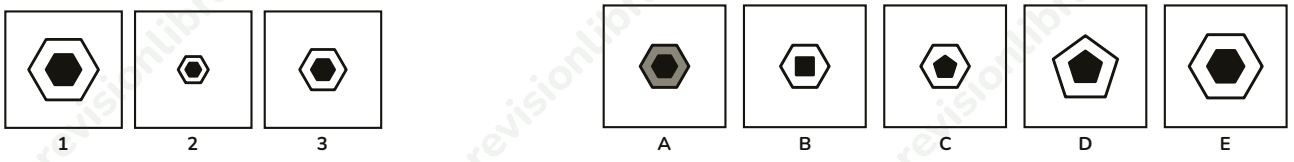
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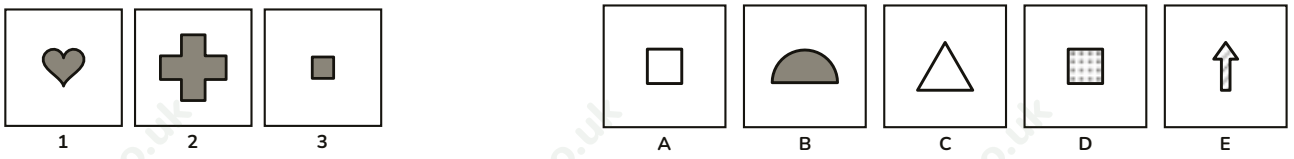
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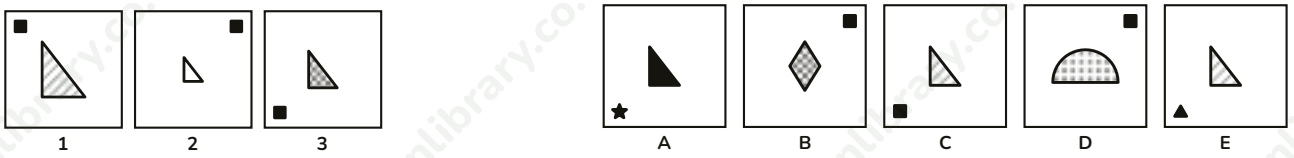


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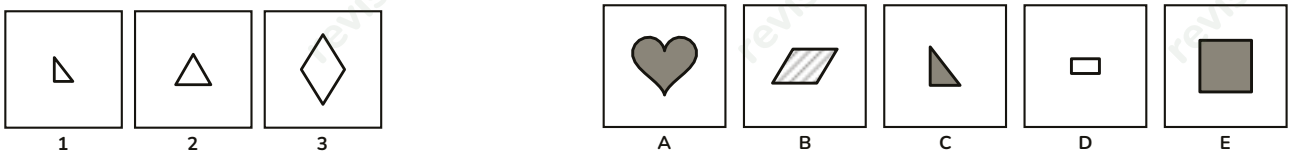


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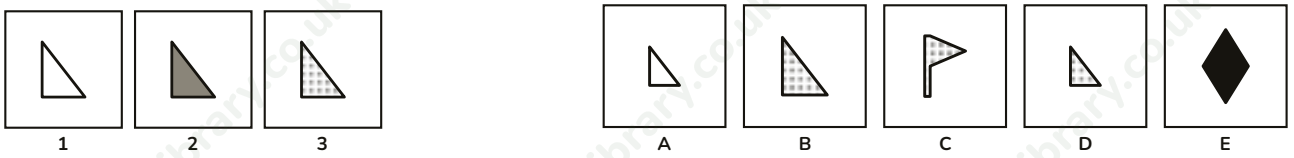
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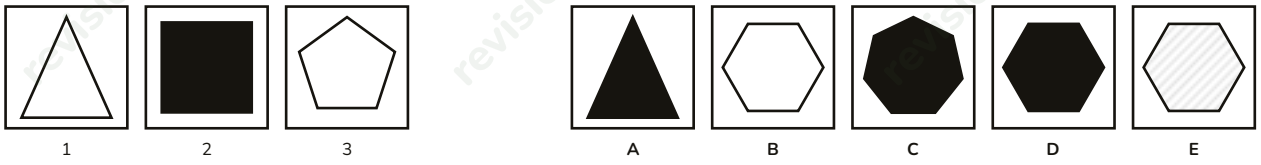
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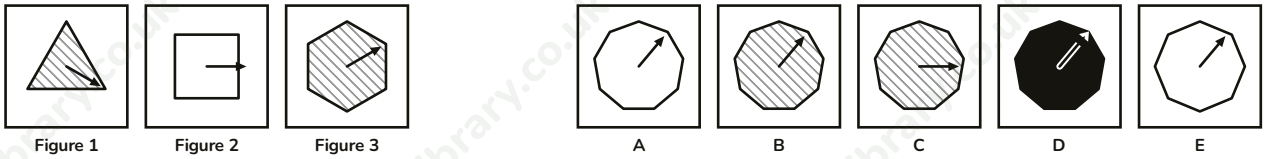
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Mark scheme · 4.17 Like Figures: 30-minute Pack

Question 1

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

Answer: D) A large mid-grey arrow pointing up and a small solid black square in the bottom-left

Question 2

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

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

Question 3

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

Answer: E) Four small unshaded (white) squares arranged in a block

Question 4

Correct option identified (C oe) - semicircular notch cut from the middle of the shape's bottom edge, all other edges complete **B1**

Answer: C

Question 5

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

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

Question 6

selects option B: the figures 1, 2 and 3 all have the same orientation (turned 90 degrees clockwise from upright) and are all hearts 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 heart with its point facing left and a small solid black square in the top-right

Question 7

selects option D: the figures 1, 2 and 3 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 8

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

Answer: C) A medium mid-grey diamond and a small solid black star with one point facing up in the top-left

Question 9

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

Answer: E) Four small unshaded (white) crosses arranged in a block

Question 10

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

Answer: A) Three small mid-grey arrows pointing up side by side in a row

Question 11

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

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

Question 12

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

Answer: B) Two small unshaded (white) semicircles with their curved sides facing up side by side in a row

Question 13

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

Answer: A) Three small unshaded (white) flags side by side in a row (upright, the flag has its pole on the left, pennant pointing right from the top)

Question 14

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

Answer: D) A medium dotted triangle with one point facing up and a small solid black star with one point facing up in the top-left

Question 15

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

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

Question 16

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

Answer: B) A large mid-grey semicircle with its curved side facing up

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Question 17

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

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

Question 18

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

Answer: D) A small unshaded (white) rectangle (upright, the rectangle has its long sides horizontal)

Question 19

selects option B: the figures 1, 2 and 3 are all large and are all right-angled triangles, and only this option does the same (cao) **B1**

Answer: B) A large dotted right-angled triangle (upright, the right-angled triangle has its right angle at the bottom left, longer side along the bottom)

Question 20

Correct option identified (D oe) - shapes with an even number of sides are shaded solid black; shapes with an odd number of sides stay unshaded (white) **B1**

Answer: D

Question 21

Correct option identified (B oe) - arrow angle equals 360 divided by the number of sides, shape grey-hatched only when sides are a multiple of 3 **B1**

Answer: B

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