4.4 Analogies: 10-minute Pack

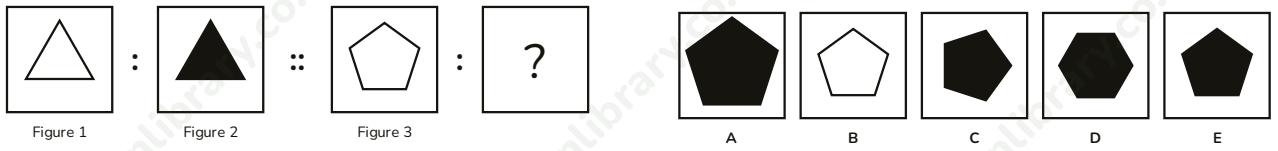
GL ASSESSMENT GL-EP.N4 · Calculators not allowed · about 10 minutes

Total Marks

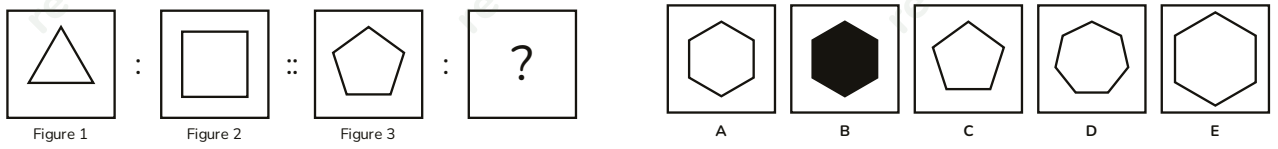
Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Figure 1 is to Figure 2 as Figure 3 is to which option?



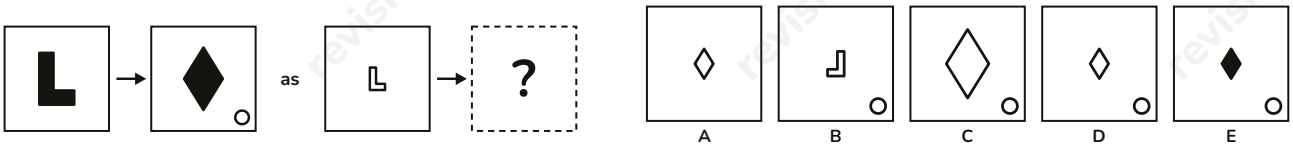
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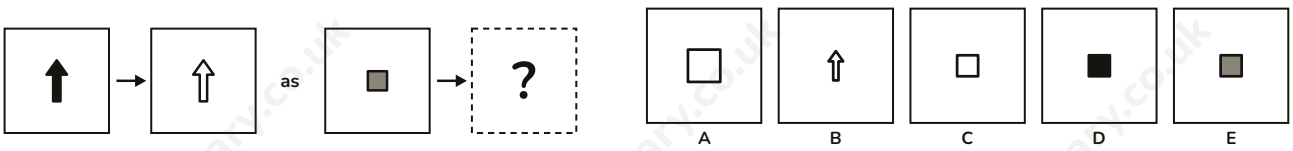
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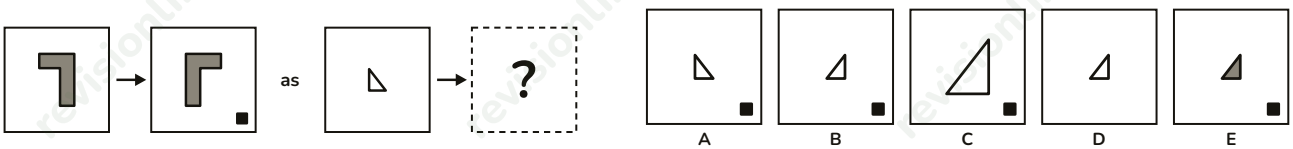
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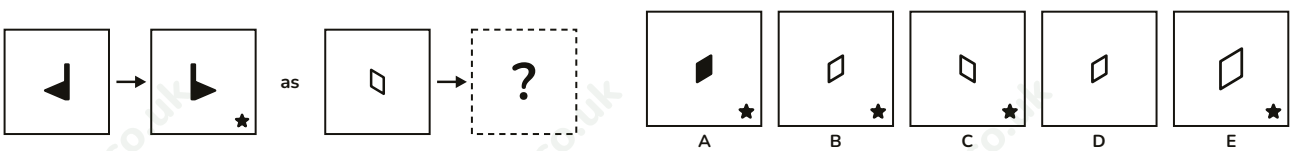
5



6



7



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Mark scheme · 4.4 Analogies: 10-minute Pack

Question 1

Correct option identified (E oe) - selects the pentagon with shading changed to solid black, size and orientation unchanged **B1**

Answer: E

Question 2

Correct option identified (A oe) - number of sides increases by one, from 5 to 6, shading and size unchanged **B1**

Answer: A

Question 3

selects option E: from Figure 1 to Figure 2, the shape is flipped to its mirror image; the same change to Figure 3 gives A medium unshaded (white) parallelogram (mirrored left to right, then turned 270 degrees clockwise) (upright, the parallelogram has its long sides horizontal, slanting up to the right) (cao) **B1**

Answer: E) A medium unshaded (white) parallelogram (mirrored left to right, then turned 270 degrees clockwise) (upright, the parallelogram has its long sides horizontal, slanting up to the right)

Question 4

selects option D: from Figure 1 to Figure 2, the shape is flipped to its mirror image; a small circle appears in the bottom-right corner; the shape becomes a diamond; the same change to Figure 3 gives A small unshaded (white) diamond and a small unshaded (white) circle in the bottom-right (cao) **B1**

Answer: D) A small unshaded (white) diamond and a small unshaded (white) circle in the bottom-right

Question 5

selects option C: from Figure 1 to Figure 2, the shape becomes unshaded (white); the same change to Figure 3 gives A small unshaded (white) square (cao) **B1**

Answer: C) A small unshaded (white) square

Question 6

selects option B: from Figure 1 to Figure 2, a small square appears in the bottom-right corner; the shape is flipped to its mirror image; the same change to Figure 3 gives A small unshaded (white) right-angled triangle (mirrored left to right) and a small solid black square in the bottom-right (upright, the right-angled triangle has its right angle at the bottom left, longer side along the bottom) (cao) **B1**

Answer: B) A small unshaded (white) right-angled triangle (mirrored left to right) and a small solid black square in the bottom-right (upright, the right-angled triangle has its right angle at the bottom left, longer side along the bottom)

Question 7

selects option B: from Figure 1 to Figure 2, a small star appears in the bottom-right corner; the shape is flipped to its mirror image; the same change to Figure 3 gives A small unshaded (white) parallelogram (mirrored left to right, then turned 270 degrees clockwise) and a small solid black star with one point facing up in the bottom-right (upright, the parallelogram has its long sides horizontal, slanting up to the right) (cao) **B1**

Answer: B) A small unshaded (white) parallelogram (mirrored left to right, then turned 270 degrees clockwise) and a small solid black star with one point facing up in the bottom-right (upright, the parallelogram has its long sides horizontal, slanting up to the right)

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