4.17 Like Figures: 10-minute Pack

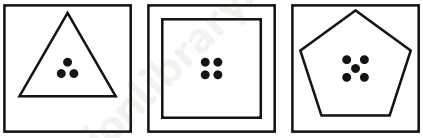
GL ASSESSMENT GL-EP.N5 · Calculators not allowed · about 10 minutes

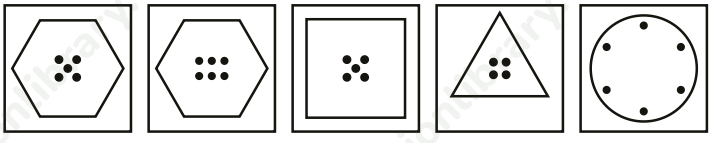
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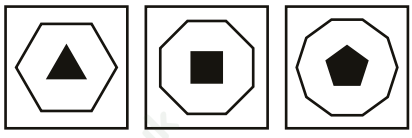
Answer ALL questions. Show all your working.

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?





2



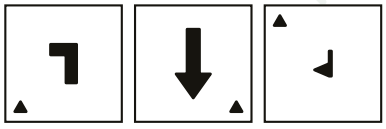


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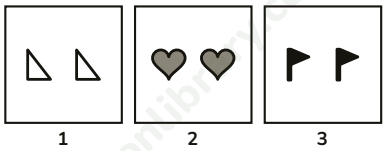


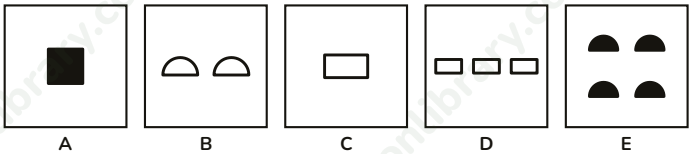
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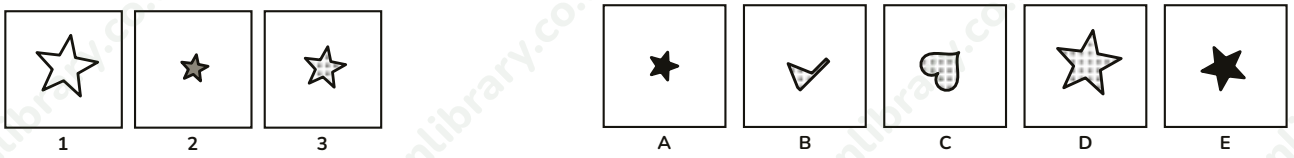
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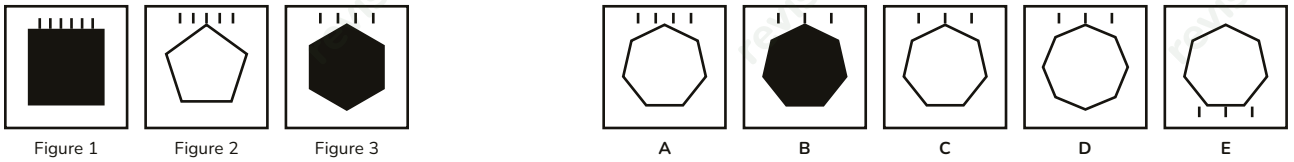


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6



7



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Mark scheme · 4.17 Like Figures: 10-minute Pack

Question 1

Correct option identified (B oe) - the number of dots inside the shape always equals its number of straight sides; a hexagon needs exactly 6 dots **B1**

Answer: B

Question 2

Correct option identified (E oe) - outer shape's number of sides equals twice the inner shape's number of sides **B1**

Answer: E

Question 3

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

Answer: E) Three small mid-grey stars with one point facing up side by side in a row

Question 4

selects option C: the figures 1, 2 and 3 each have a small triangle in one corner and all have the same orientation (turned 180 degrees clockwise from upright) and are all solid black, and only this option does the same (cao) **B1**

Answer: C) A large solid black pentagon with one point facing down and a small solid black triangle with one point facing up in the bottom-right

Question 5

selects option B: the figures 1, 2 and 3 are each made of 2 shapes, 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 6

selects option D: the figures 1, 2 and 3 are all stars and all have the same orientation (turned 225 degrees clockwise from upright), and only this option does the same (cao) **B1**

Answer: D) A large dotted star with one point facing down-left

Question 7

Correct option identified (C oe) - tally marks equal 10 minus the number of sides, shape shaded black only when that tally count is even **B1**

Answer: C

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