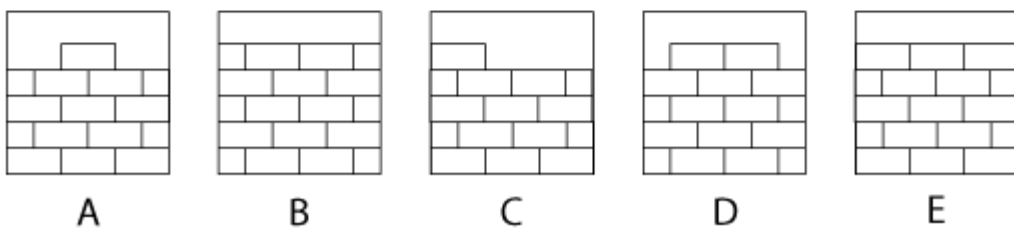
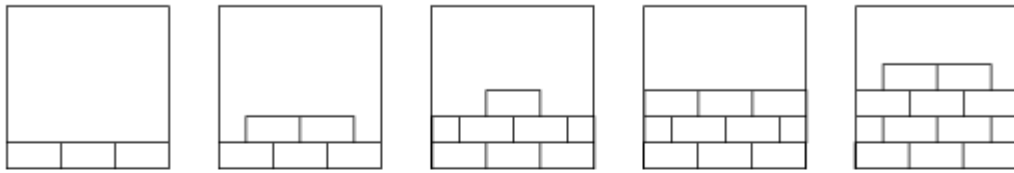


Inductive Reasoning Practice Test 11

Solution Booklet

Difficulty: Medium

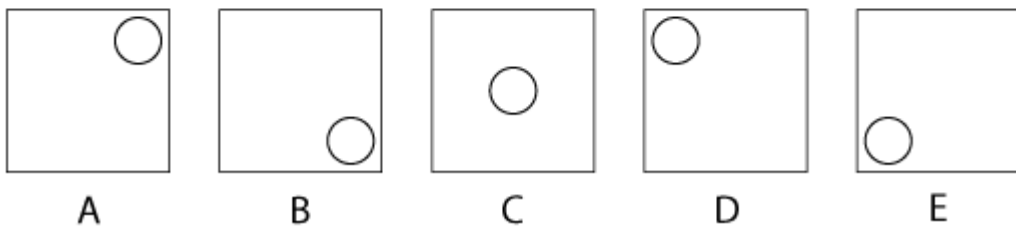
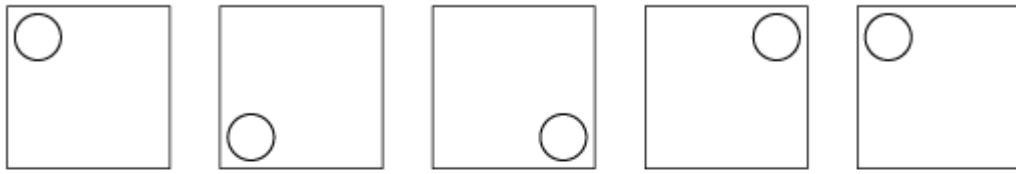
Question 1



The correct answer is A

One Rule: Two bricks are added each time, starting from the centre and working outwards. Each row is completed before the next is started, and addition of two half bricks counts as adding one whole brick.

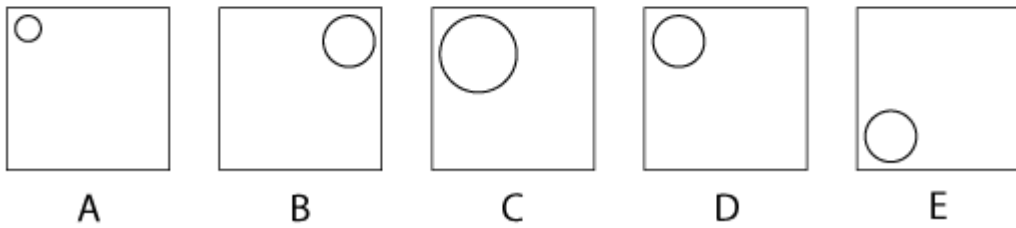
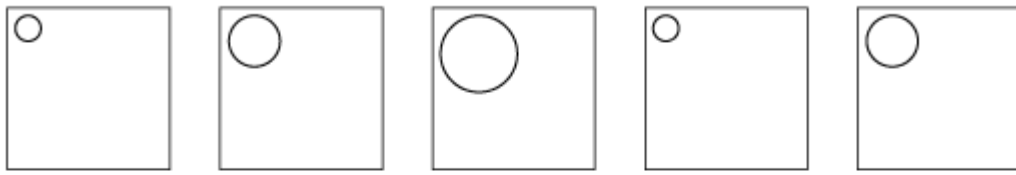
Question 2



The correct answer is E

One Rule: The shapes move one corner anticlockwise each time.

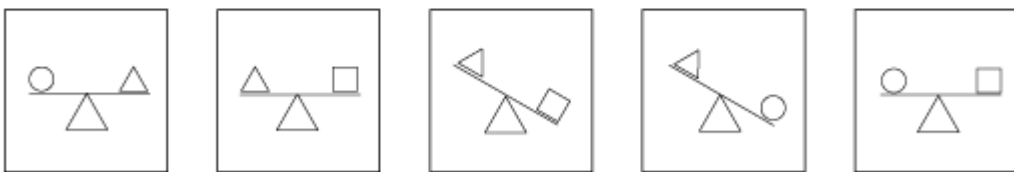
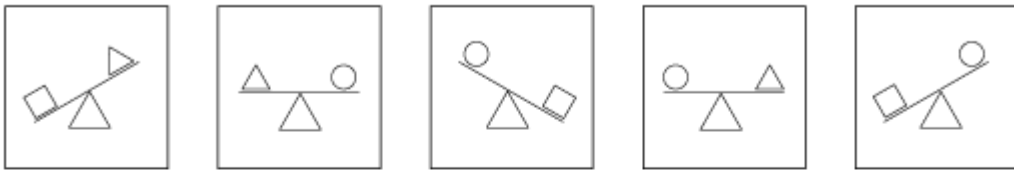
Question 3



The correct answer is C

One Rule: The shapes grow small, medium, then large, then start again.

Question 4



A

B

C

D

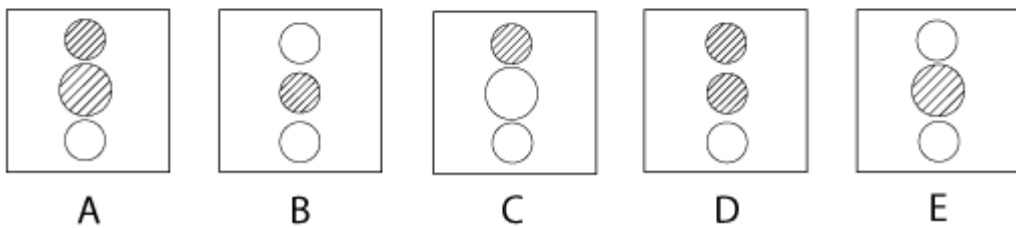
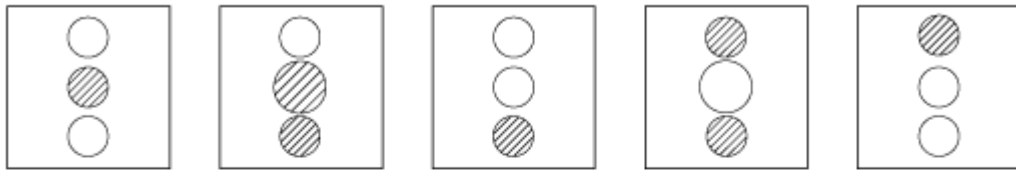
E

The correct answer is A

First Rule: The scales are tipped fully to the left, then straight, then tipped fully to the right, then straight. This sequence then repeats.

Second Rule: Squares weigh more than triangles and circles, which weigh the same as each other.

Question 5

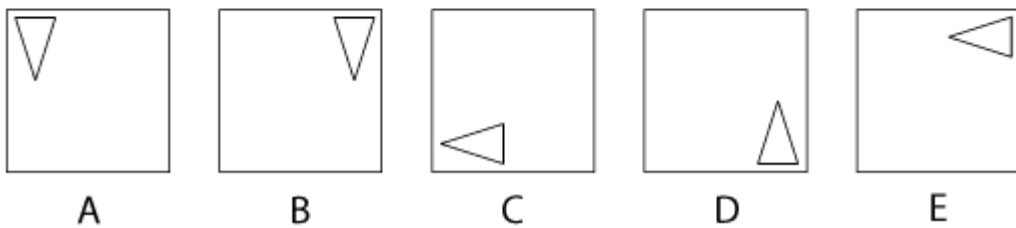
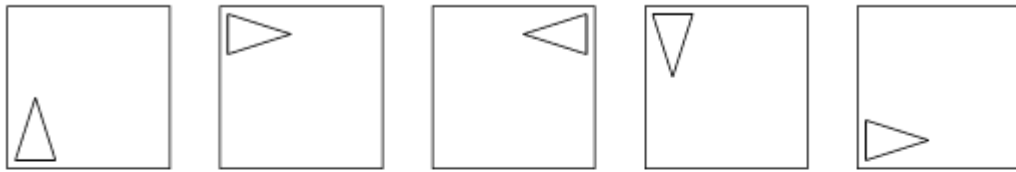


The correct answer is A

First Rule: The cross-hatching alternates between being applied to the circle below the shaded one (wrapping round to the top when no circle is available below) and removed from the circle that has had the cross-hatching for two consecutive figures.

Second Rule: The middle circle alternates between being half-way between the other circles in size and being bigger than both of them.

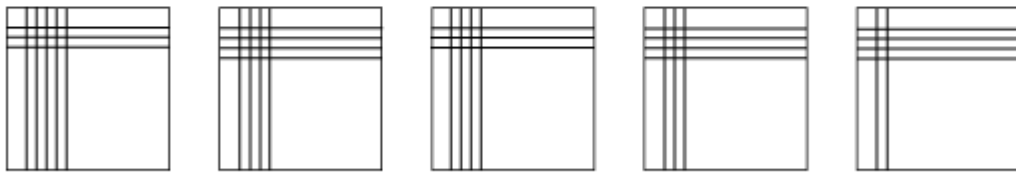
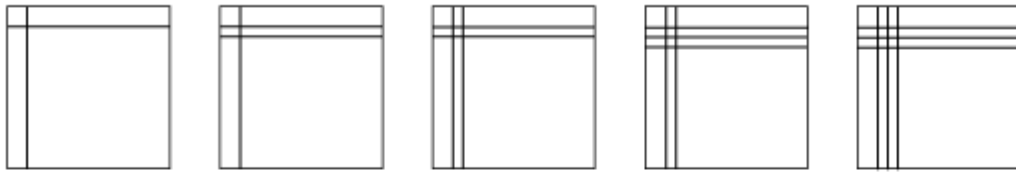
Question 6



The correct answer is D

One Rule: The position of the shapes in the current item is determined by the direction the triangle is pointing in the previous item. There is no rule to determine the direction of the arrow in the current item, only its position.

Question 7



A

B

C

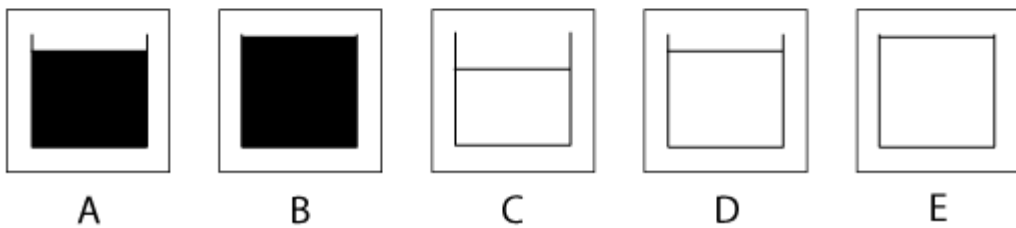
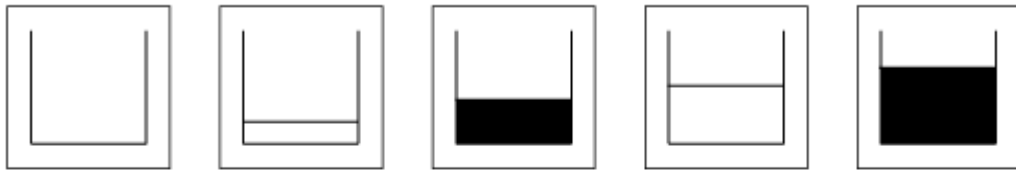
D

E

The correct answer is D.

One Rule: The number of lines increases by one each time, alternating between adding a horizontal line, then a vertical.

Question 8

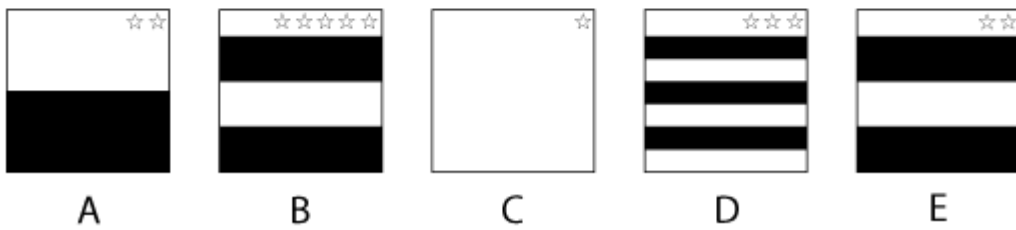


The correct answer is D

First Rule: The level of the liquid in the container rises by a consistent amount every time.

Second Rule: The liquid alternates between being light and dark (with the liquid in the first image being dark but non-visible).

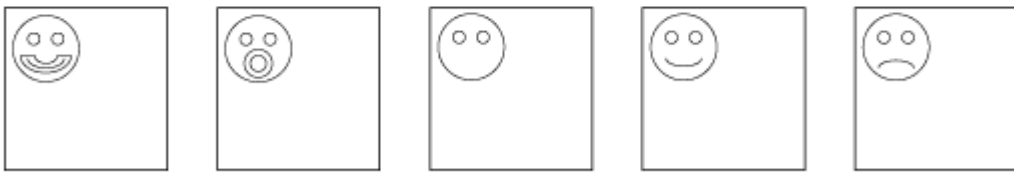
Question 9



The correct answer is A.

One Rule: The number of stars in the top right determines how many horizontal lines will be in the next box.

Question 10



A

B

C

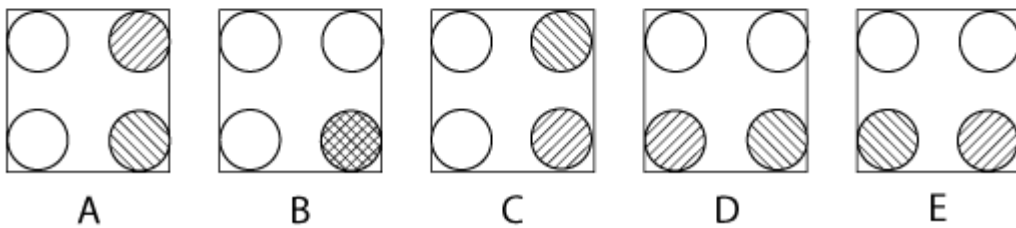
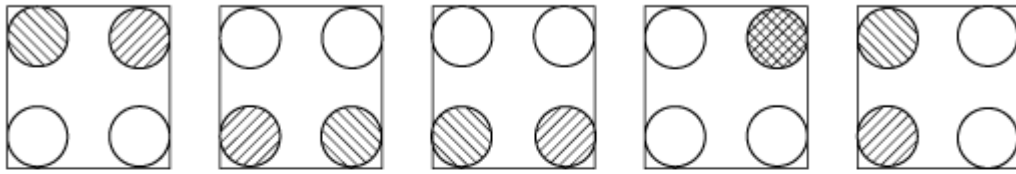
D

E

The correct answer is E

One Rule: The face changes in sequence from smiley to ambivalent to frowning.

Question 11



The correct answer is B

First Rule: The downward sloping cross-hatching follows the sequence top left circle, bottom right circle, bottom left circle, top right circle. This sequence then repeats.

Second Rule: The upward sloping cross-hatching follows the sequence top right circle, bottom left circle, bottom right circle. This sequence then repeats.

Question 12



A

B

C

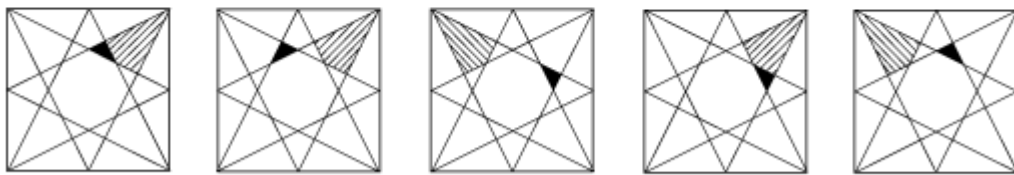
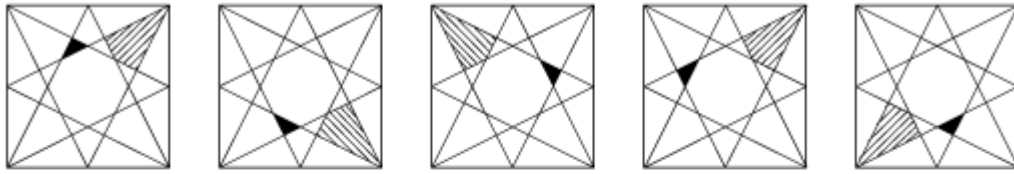
D

E

The correct answer is E

One Rule: The nose changes in sequence from hook to oval to none.

Question 13



A

B

C

D

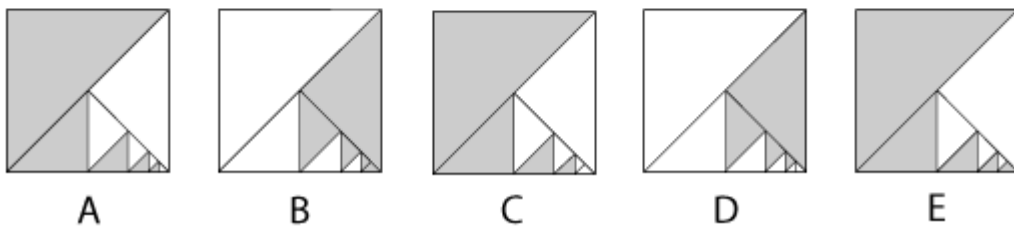
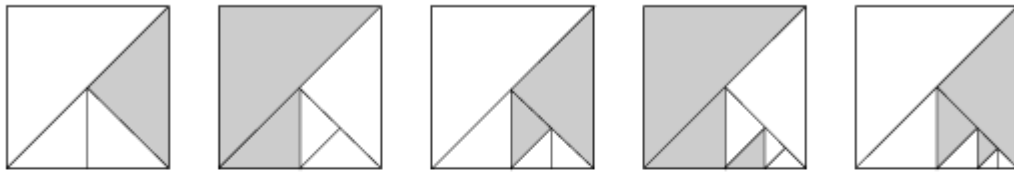
E

The correct answer is E

First Rule: The shading of the small triangles moves 3 triangles anti-clockwise each time.

Second Rule: The cross-hatching on the kite shapes near the corners of the figure, which is always in the direction of the nearest corner, moves clockwise, alternating between moving one shape and moving two.

Question 14

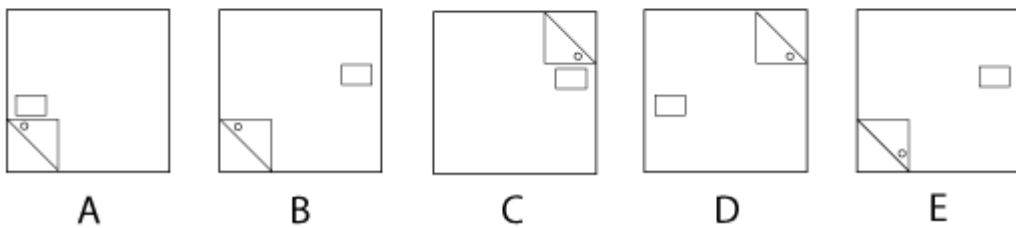
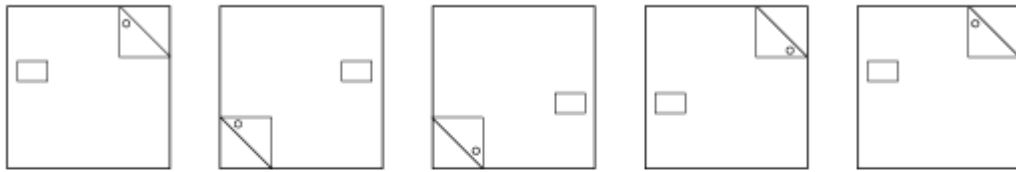


The correct answer is C

First Rule: Every time, the small triangle nearest the bottom right corner is split into two equal triangles of the same proportions.

Second Rule: The two, newly created, smallest triangles are always unshaded. The rest alternate between being shaded and unshaded in each image.

Question 15

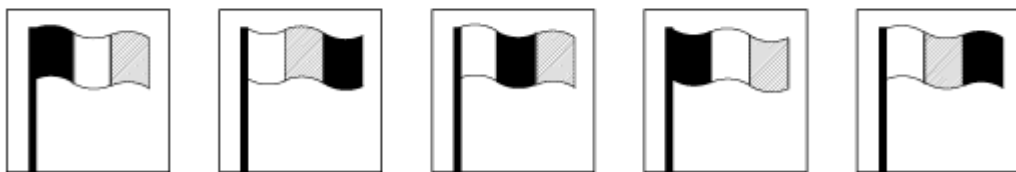
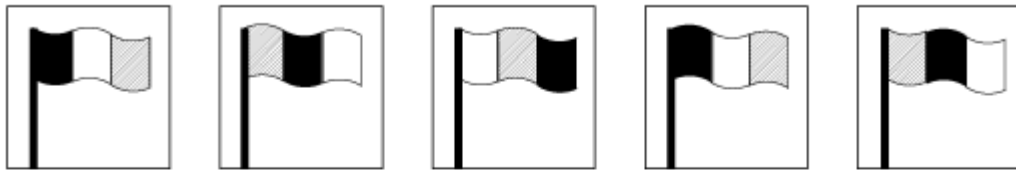


The correct answer is B

First Rule: The triangle with a dot in one corner alternates between mirrored in a diagonal from the top left of the figure to the bottom right and mirrored in a diagonal from the top right of the figure to the bottom left.

Second Rule: The rectangle alternates between being mirrored vertically and mirrored horizontally.

Question 16



A

B

C

D

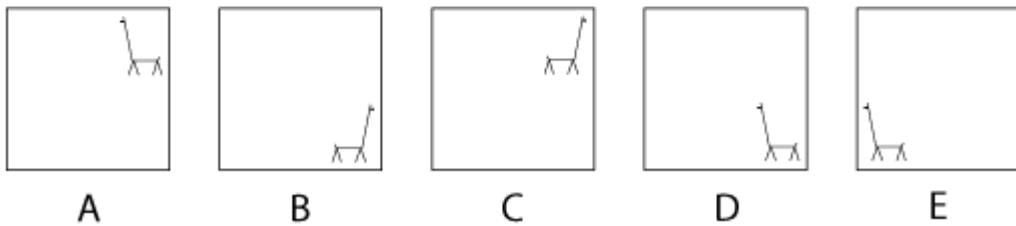
E

The correct answer is E

First Rule: The shading type furthest from the flagpole on one figure becomes the shading closest to the flagpole on the next figure, and every other form of shading moves one band to the right.

Second Rule: The flag alternates between the wave going down first and the wave going up first.

Question 17

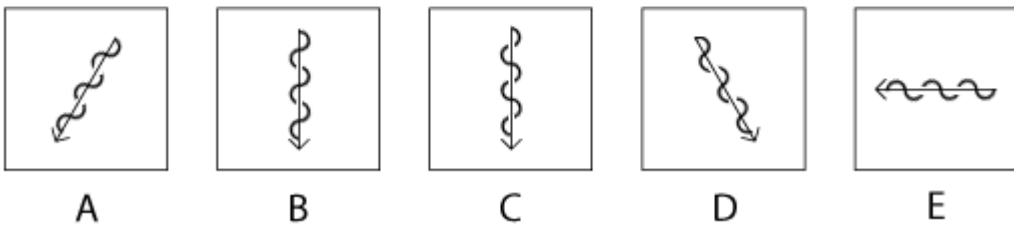


The correct answer is C

First Rule: The matchstick giraffe visits the corners in the order top left, top right, bottom left, bottom right. The sequence then repeats.

Second Rule: The matchstick giraffe faces right when it is at the top and left when it is at the bottom. Or Right, Right, Left, Left, Right....

Question 18

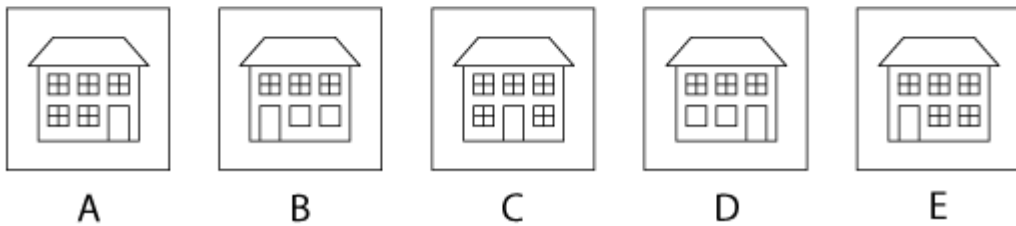


The correct answer is C

First Rule: The direction of the arrow rotates by 30° each time.

Second Rule: Following it in the direction of the arrow, the wavy line alternates between crossing in front of the straight line first and crossing behind it first.

Question 19

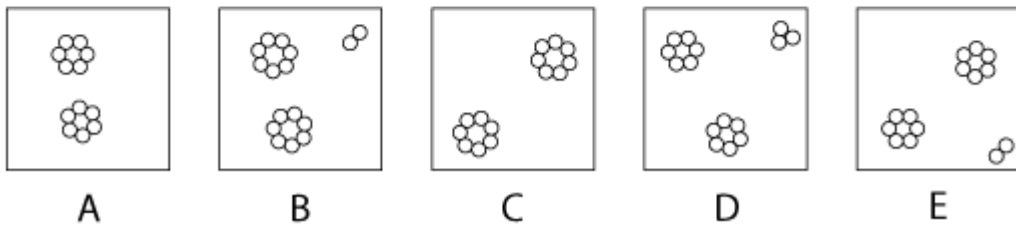
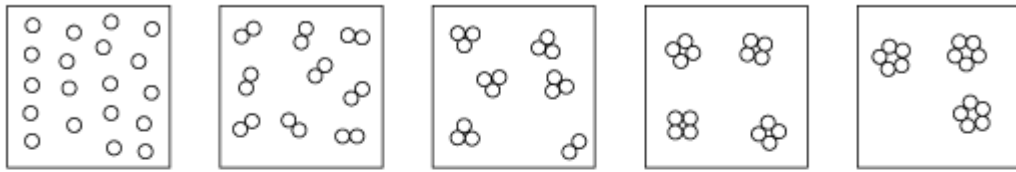


The correct answer is A

First Rule: The door moves to the right, centre, left then centre, always in line with the window immediately above it, and then the pattern repeats.

Second Rule: First only upper storey windows are shaded, then only the lower storey windows are shaded, then all windows are shaded. This pattern then repeats.

Question 20

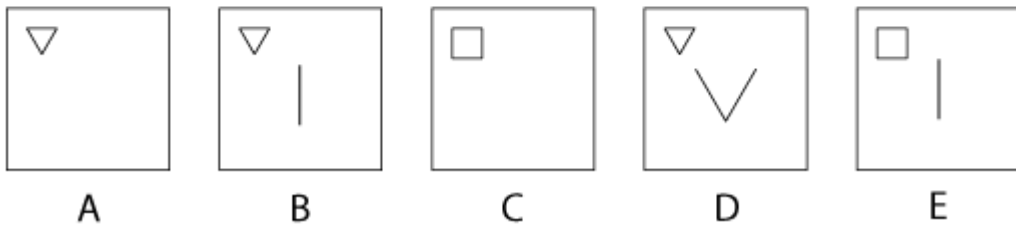
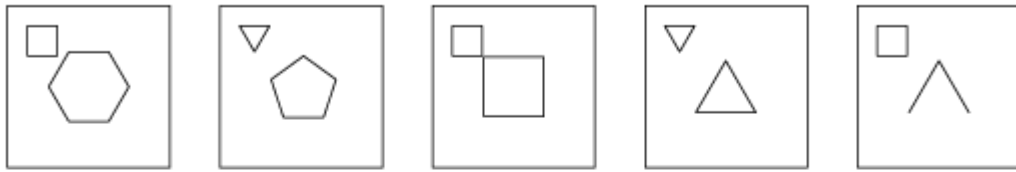


The correct answer is E

First Rule: The number of circles that are grouped together increases by one every time, with the final group containing all the circles that do not fit into a whole group.

Second Rule: One circle is removed every time.

Question 21

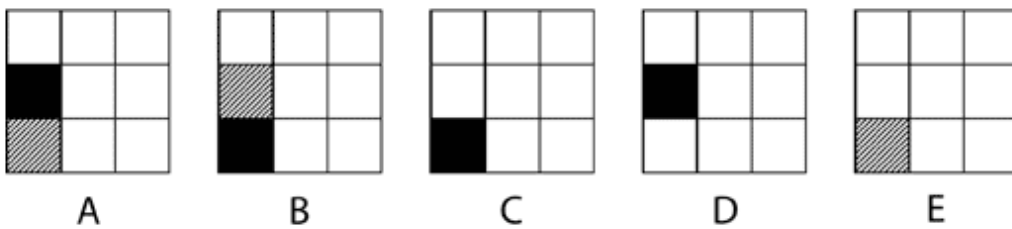
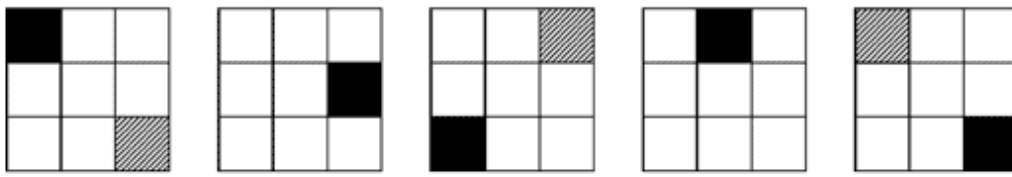


The correct answer is B

First Rule: The shape in the centre comprises 1 fewer straight line every time.

Second Rule: The shape in the top left alternates between being a triangle and being a square.

Question 22



The correct answer is D

First Rule: Each step, the shaded square moves 3 squares clockwise round the edge of the figure.

Second Rule: Each step, the cross-hatching moves 1 square anticlockwise round the edge of the figure, disappearing behind the shading when the two coincide.

- End of Test 11 -