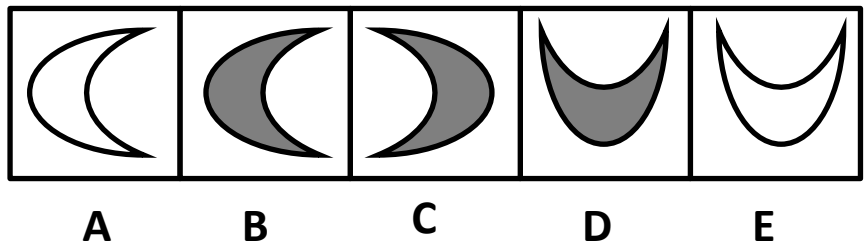
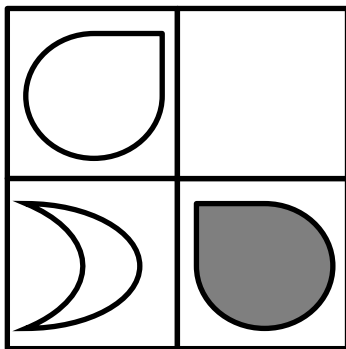




## Type 3 - Grids

In the big grid on the left of each line below, one of the small squares has been left empty. One of the five figures on the right should fill the empty square.

EXAMPLE:

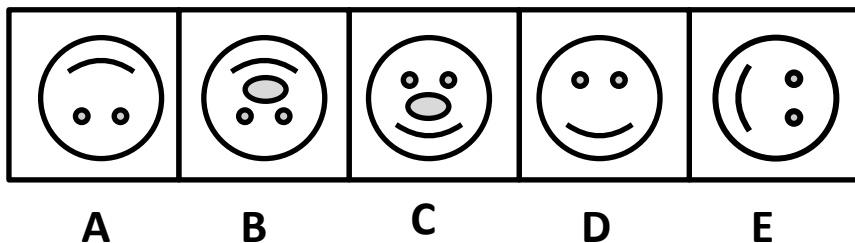
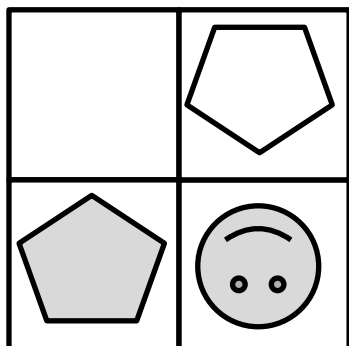


### Solution

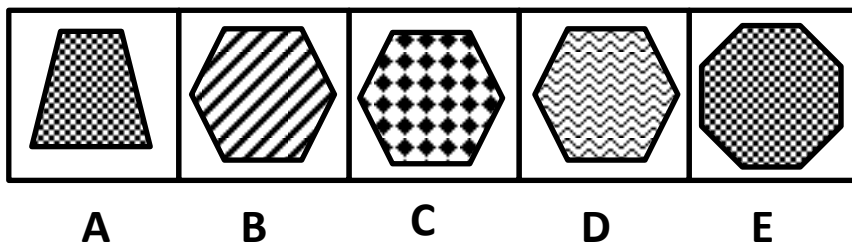
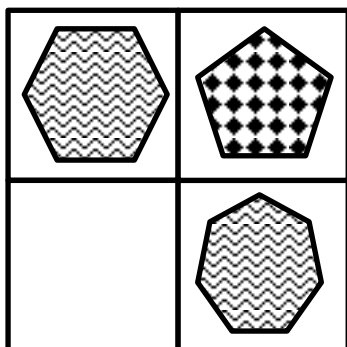
The blank square in the grid must contain a shape, chosen from A-E, that fits the pattern set by the other three shapes in the grid. Here, the teardrop shape has been flipped over its vertical axis and has changed from white to grey. Similar treatment of the white crescent shape results in a grey crescent, answer B.



### Question 1

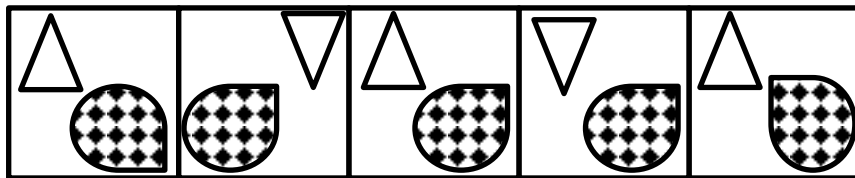
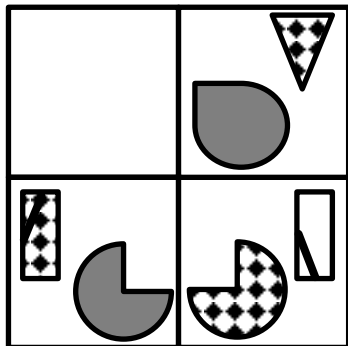


### Question 2





### Question 3



A

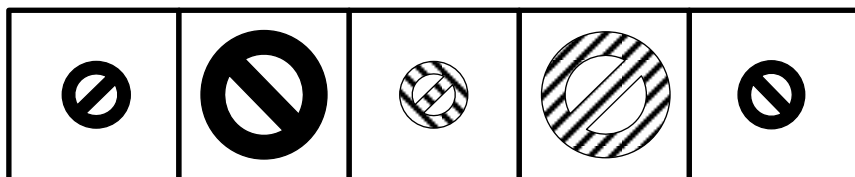
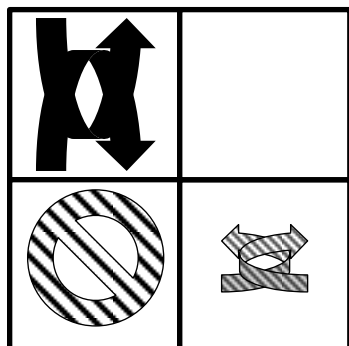
B

C

D

E

### Question 4



A

B

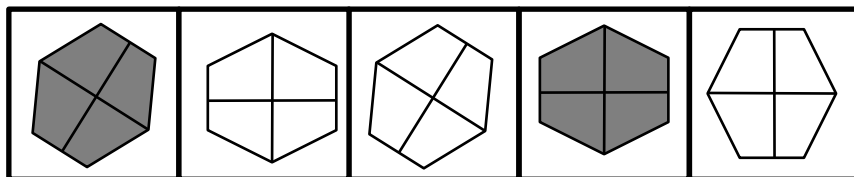
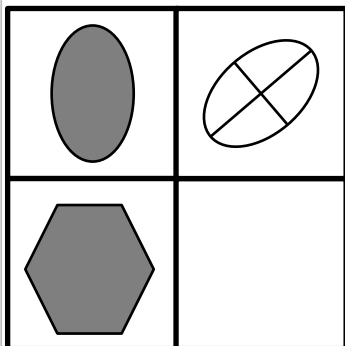
C

D

E



### Question 5



A

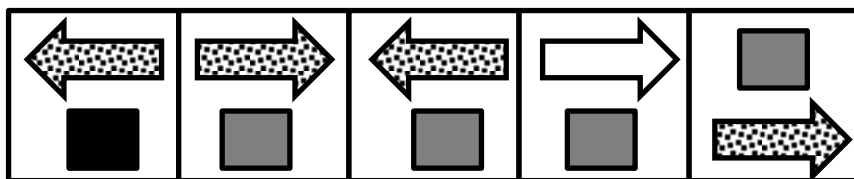
B

C

D

E

### Question 6



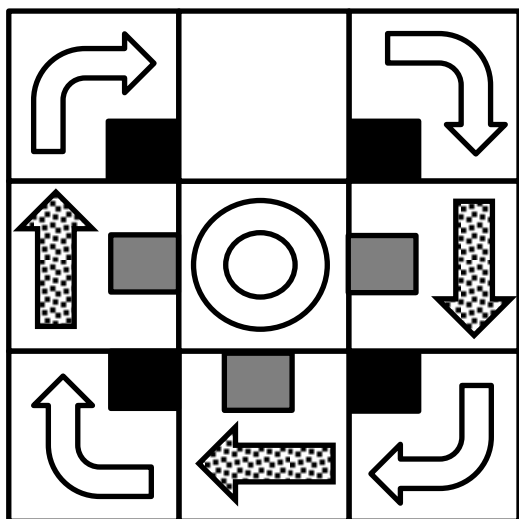
A

B

C

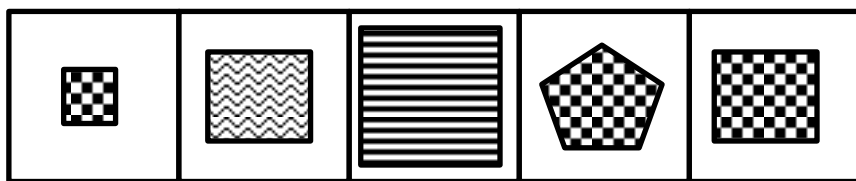
D

E





### Question 7



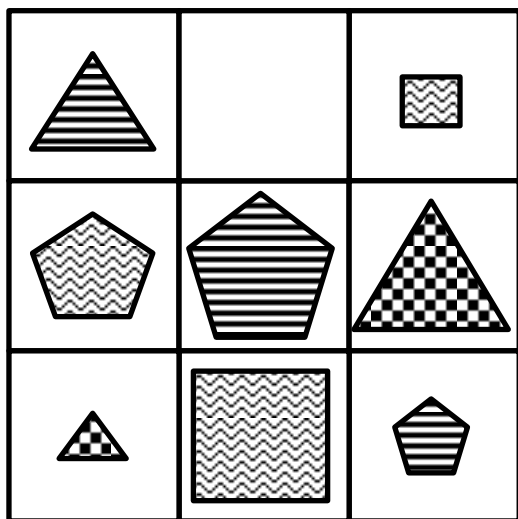
A

B

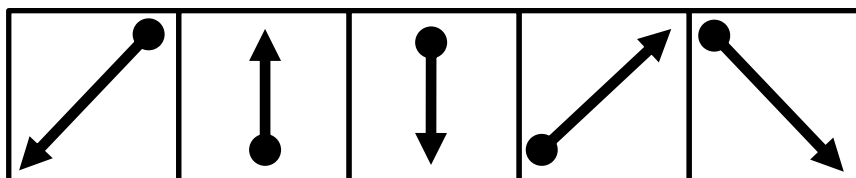
C

D

E



### Question 8



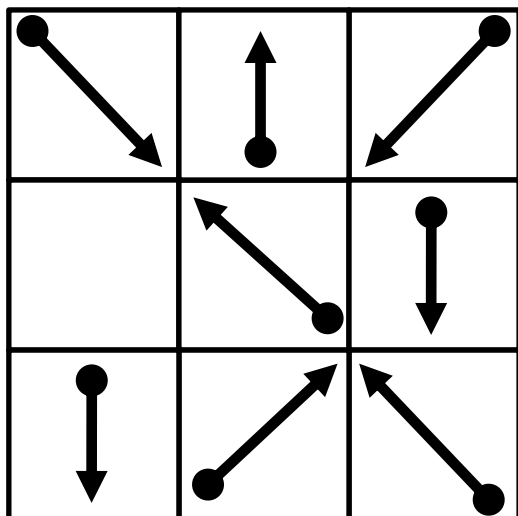
A

B

C

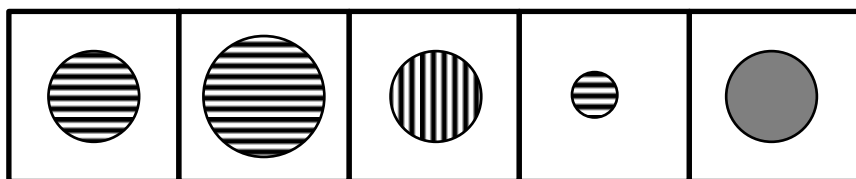
D

E





### Question 9



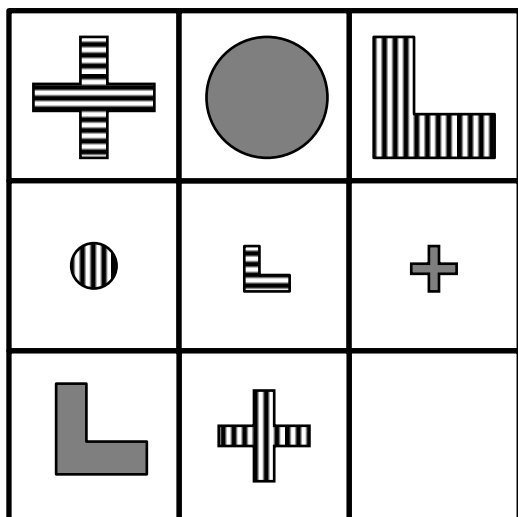
A

B

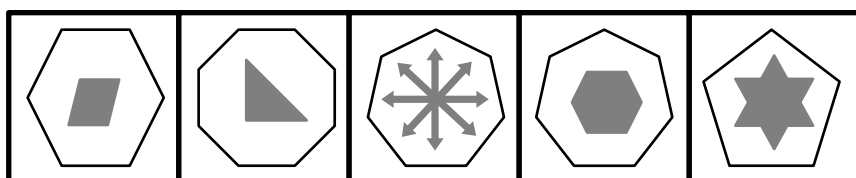
C

D

E



### Question 10



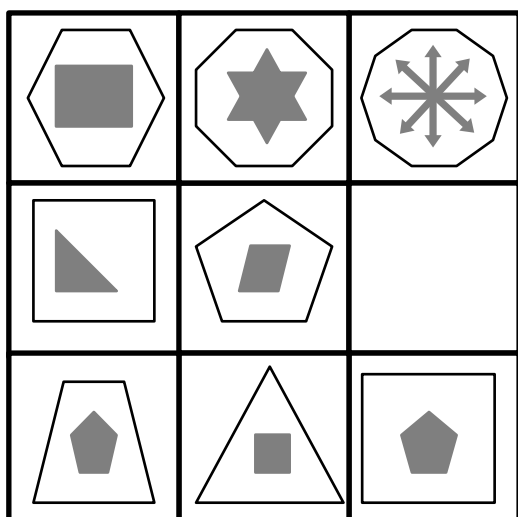
A

B

C

D

E





# Answers – Type 3 Grids

Question	Answer	Explanation
1	D	The grey pentagon gets flipped on its horizontal axis, and changes from grey to white shading. The same should happen to the grey smiley face.
2	C	The 2 shapes with the wavy shading have 6 and 7 sides. So we're looking for a chequered shape with 4 or 6 sides. There is only a chequered hexagon.
3	C	There is a mirror image of the teardrop shape, which will be chequered. The triangle will invert and go from chequered to white.
4	A	The chequered arrow shape enlarges, turns black and rotates $90^\circ$ clockwise. So the large "No" symbol shrinks, rotates and goes black.
5	C	The grey oval rotates clockwise by $45^\circ$ and goes white with a black cross inside. The same applies to the hexagon.
6	B	To maintain the pattern around the grid, we must have a shaded, right-pointing arrow. The rectangle must also be grey.
7	E	There is a small, medium and large copy of each of the 3 shapes. So we're looking for a medium rectangle. Each type of shape has 2 versions in one shading and one in another. So the answer can't be B, as B has the same shading as the other 2 rectangles.
8	D	Each row has 2 diagonal arrows and one vertical one, so we need a diagonal one. If the short vertical arrow in each row points up, the 2 diagonal arrows in that row point down and <i>vice versa</i> . So we're looking for a diagonal, upward-pointing arrow.
9	A	There are 3 types of shape, so we're looking for a circle. For each shape type, one is small, medium or large, and one is grey, vertically-shaded or horizontally-shaded. We're looking for a medium-sized, horizontally-shaded circle.
10	D	<b>*DIFFICULT*</b> in the 2 <sup>nd</sup> row of the grid, the inner shape has one less side than the outer shape. Only D fits that pattern. A different pattern applies to the shapes in the 1 <sup>st</sup> and 3 <sup>rd</sup> rows.