Yocket Prep

FREE DOWNLOADABLE PRACTICE SET

dMAT Figure Sequences

20 practice questions with answers

20	questions with images	**3**	levels: Easy, Medium and Hard	**75 sec**	suggested time per question

Figure Sequences is one of the three subtests in the dMAT Core Module. Each question shows four matrices in which every figure follows its own rule, and the task is to pick the option that shows Matrix 5. The questions start with simple rules and build up to three figures moving together.

Prepared by the Yocket Prep team

How to use this practice set

Work through the questions in order, since the difficulty builds up step by step. Cover the answers section at the back, try each question on your own, and only then check the answer and the reasoning. Aim for about 75 seconds per question once the easy ones feel comfortable.

Level	Questions	What to expect	How to approach
Easy	1 to 10	One or more figures, each following a simple rule	Learn to spot each rule at a glance.
Medium	11 to 15	Two figures, each with its own rule	Track one figure at a time, then combine the results.
Hard	16 to 20	Three figures with different rules, often with x+1 progression	Check every figure, because wrong options usually differ in only one.

The seven rules behind every question

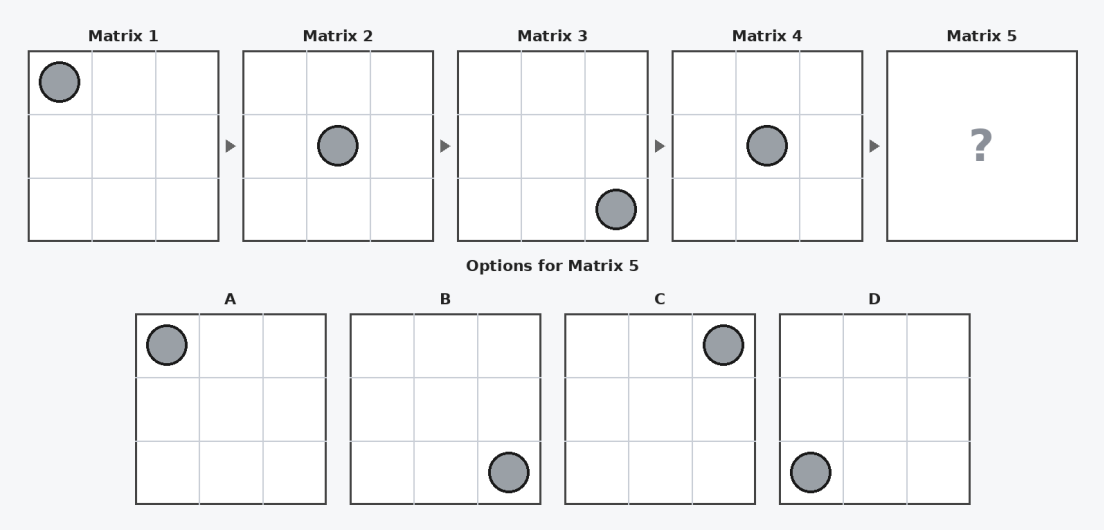
1	**Colour change**	A figure cycles through colours in a fixed order, such as black, grey and white.
2	**Rotation**	A figure turns by the same angle in every matrix, such as 90 degrees clockwise.
3	**Straight-line movement**	A figure moves the same number of cells in one direction each time.
4	**x+1 progression**	The distance moved grows by one in each matrix: 1, 2, 3 and then 4 cells.
5	**No disappearing or overlapping**	Figures never vanish and never share a cell with another figure.
6	**Bouncing off the boundary**	A moving figure reverses direction when it reaches the edge of the grid.
7	**Moving along the boundary**	A figure travels around the outer ring of cells, clockwise or anticlockwise.

Each question shows Matrices 1 to 4 and four options for Matrix 5. Read the matrices from left to right, decide what each figure is doing, and apply that to Matrix 5.

Practice questions

Question 1

Easy



Options for Matrix 5

A. Circle at top-left

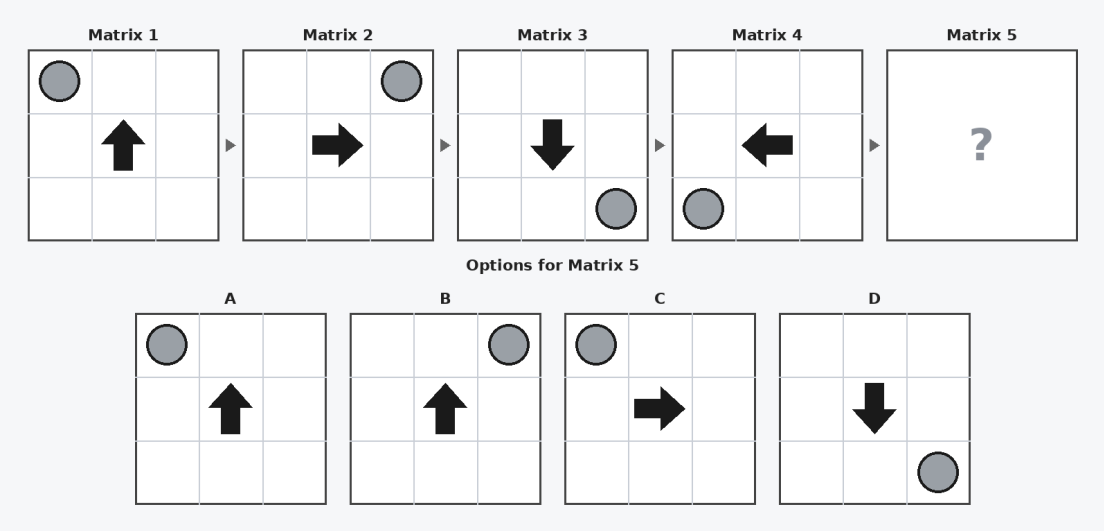
B. Circle at bottom-right

C. Circle at top-right

D. Circle at bottom-left

Question 2

Easy



Options for Matrix 5

A. Circle at top-left, arrow pointing up

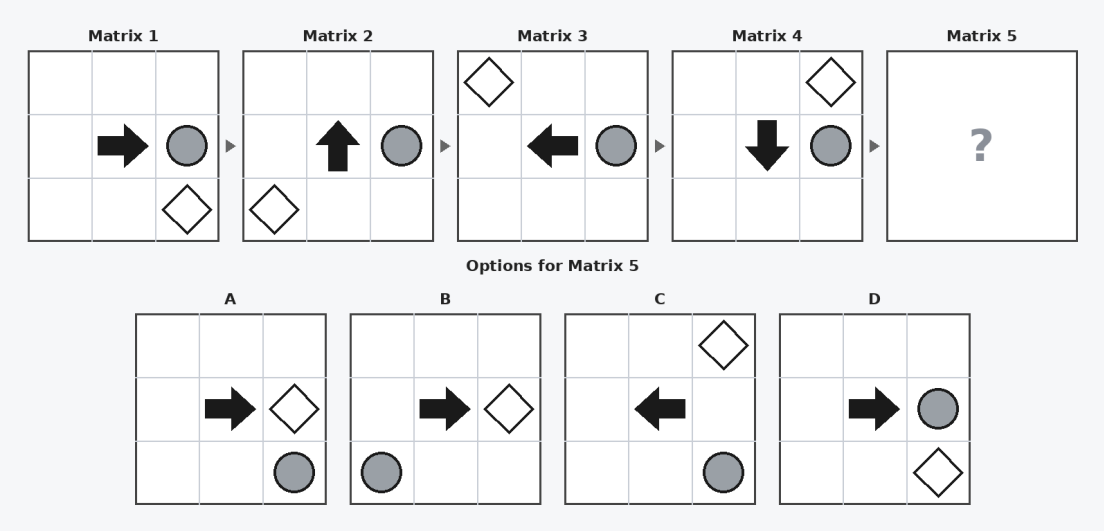
B. Circle at top-right, arrow pointing up

C. Circle at top-left, arrow pointing right

D. Circle at bottom-right, arrow pointing down

Question 3

Easy



Options for Matrix 5

A. Circle at bottom-right, diamond at middle-right, arrow pointing right

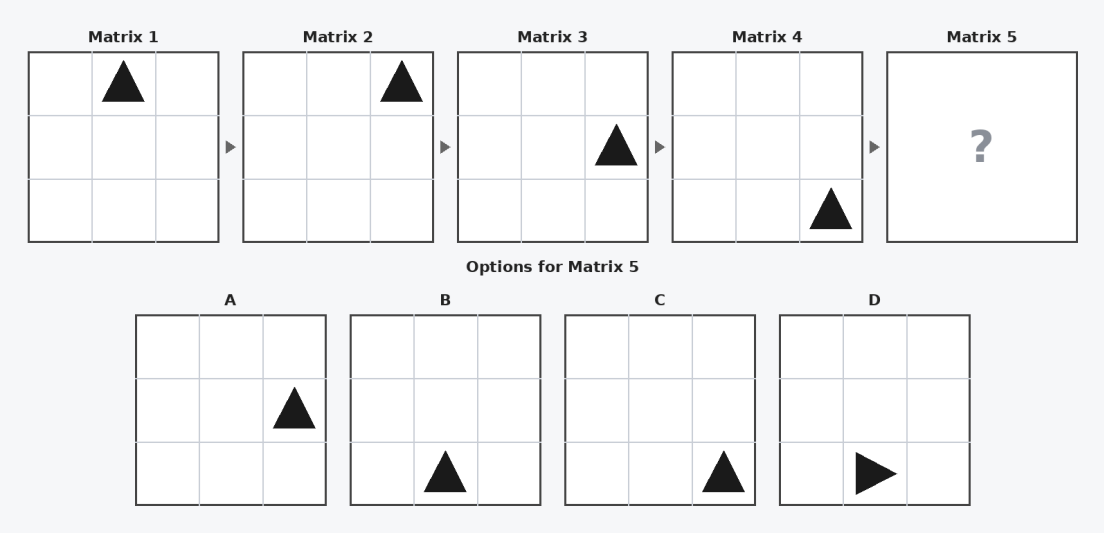
B. Circle at bottom-left, diamond at middle-right, arrow pointing right

C. Circle at bottom-right, diamond at top-right, arrow pointing left

D. Circle at middle-right, diamond at bottom-right, arrow pointing right

Question 4

Easy



Options for Matrix 5

A. Triangle at middle-right pointing up

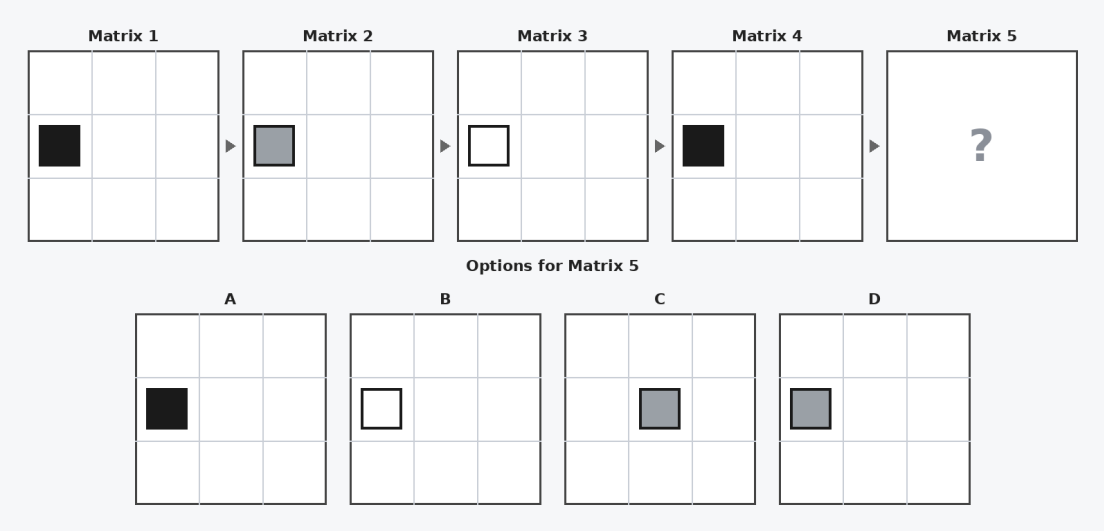
B. Triangle at bottom-middle pointing up

C. Triangle at bottom-right pointing up

D. Triangle at bottom-middle pointing right

Question 5

Easy



Options for Matrix 5

A. Black square at middle-left

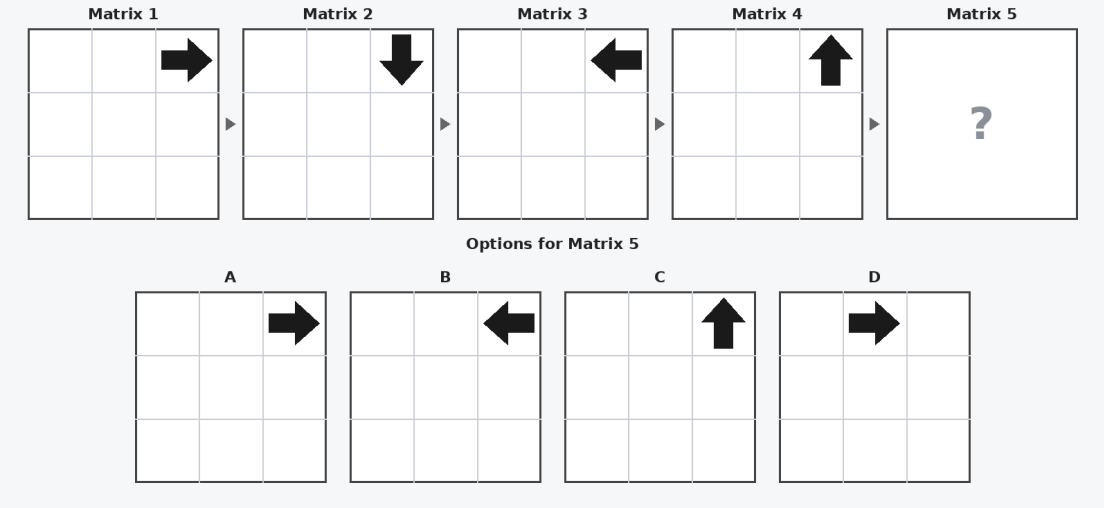
B. White square at middle-left

C. Grey square at centre

D. Grey square at middle-left

Question 6

Easy



Options for Matrix 5

A. Arrow at top-right pointing right

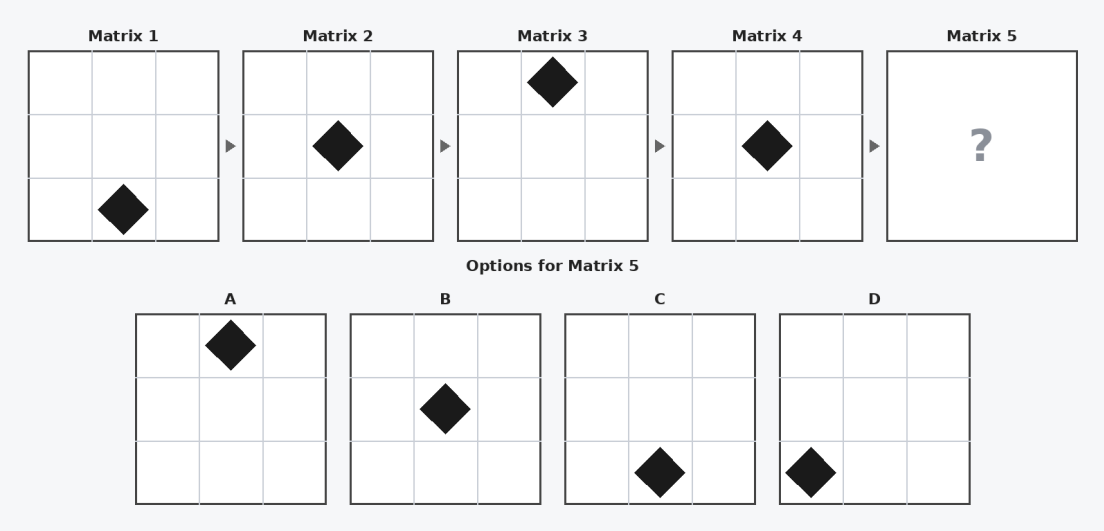
B. Arrow at top-right pointing left

C. Arrow at top-right pointing up

D. Arrow at top-middle pointing right

Question 7

Easy



Options for Matrix 5

A. Diamond at top-middle

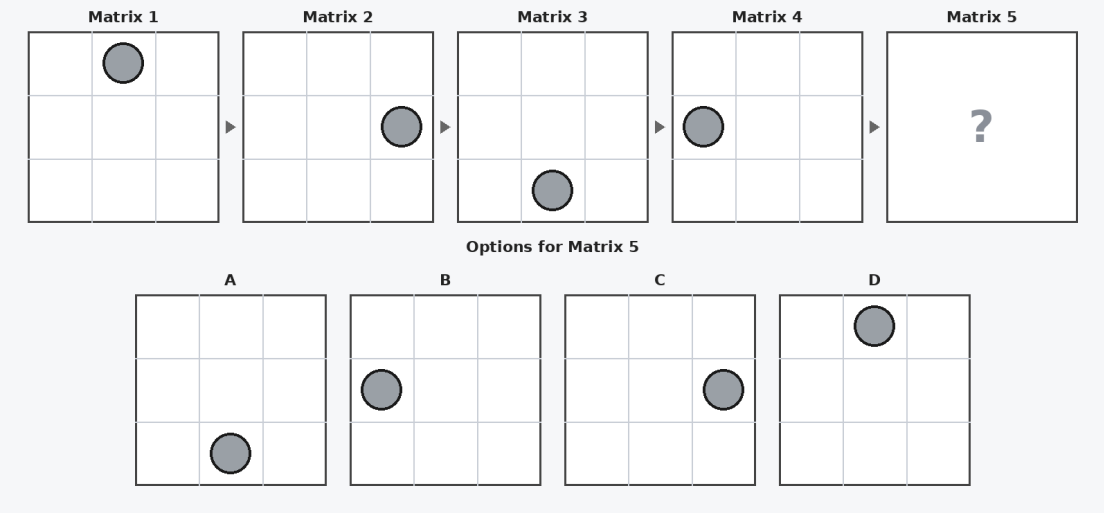
B. Diamond at centre

C. Diamond at bottom-middle

D. Diamond at bottom-left

Question 8

Easy



Options for Matrix 5

A. Grey circle at bottom-middle

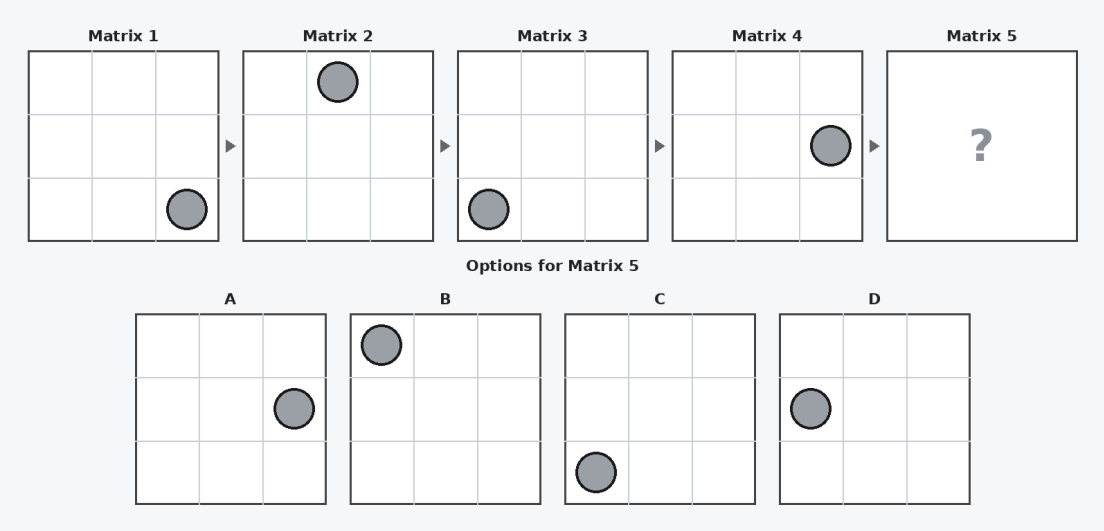
B. Grey circle at middle-left

C. Grey circle at middle-right

D. Grey circle at top-middle

Question 9

Easy



Options for Matrix 5

A. Grey circle at middle-right

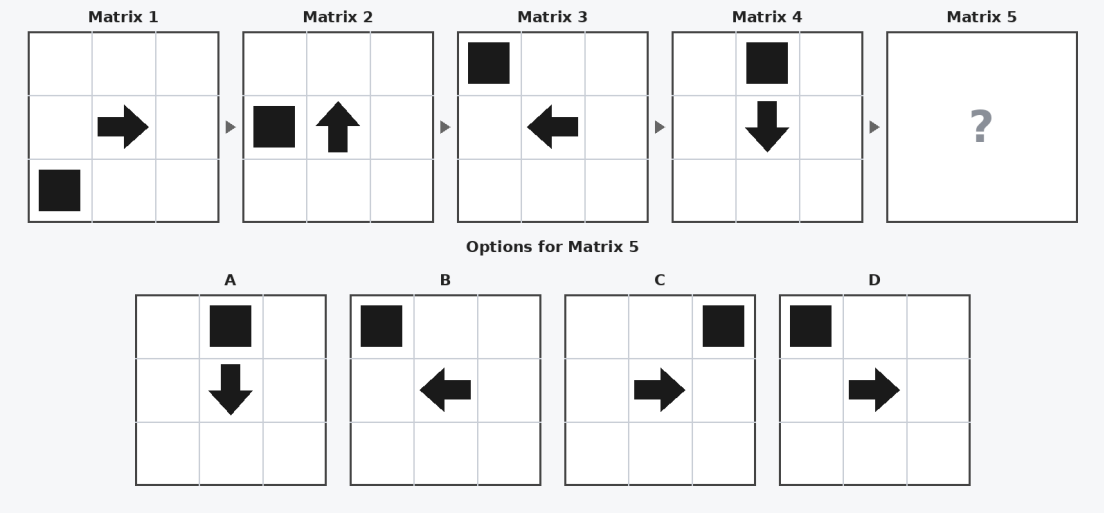
B. Grey circle at top-left

C. Grey circle at bottom-left

D. Grey circle at middle-left

Question 10

Medium



Options for Matrix 5

A. Square at top-middle; Arrow at centre pointing down

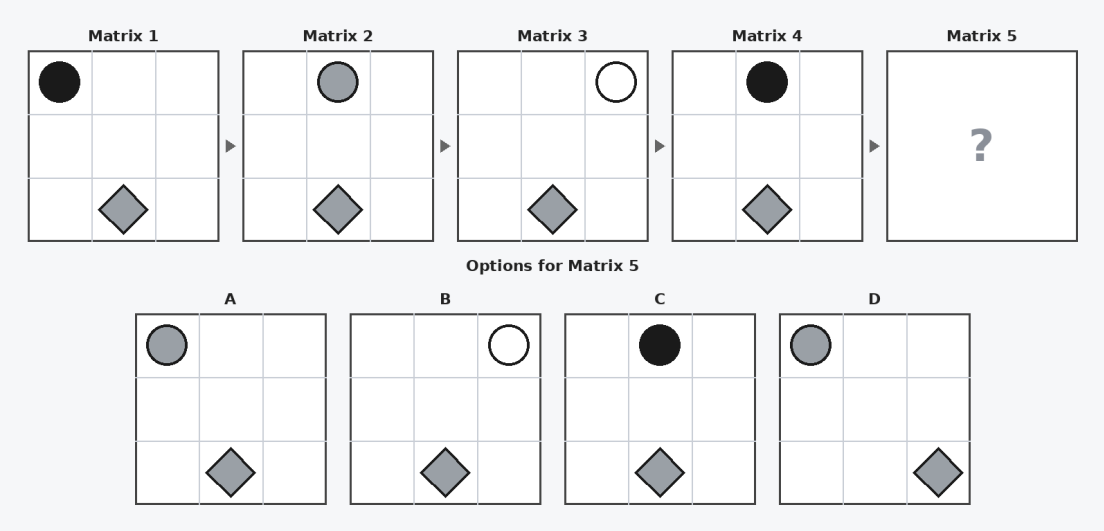
B. Square at top-left; Arrow at centre pointing left

C. Square at top-right; Arrow at centre pointing right

D. Square at top-left; Arrow at centre pointing right

Question 11

Medium



Options for Matrix 5

A. Grey circle at top-left; Grey diamond at bottom-middle

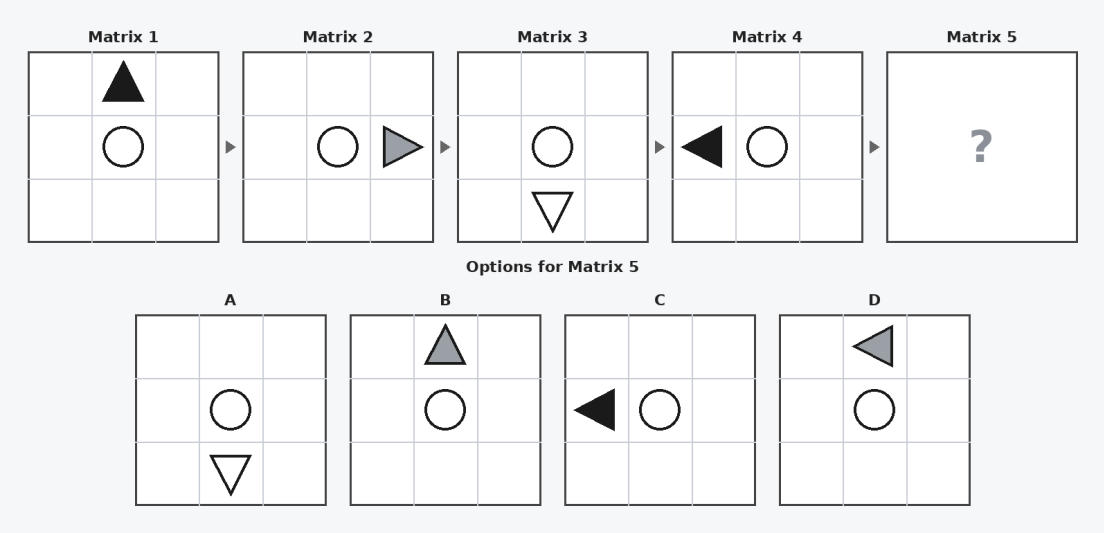
B. White circle at top-right; Grey diamond at bottom-middle

C. Black circle at top-middle; Grey diamond at bottom-middle

D. Grey circle at top-left; Grey diamond at bottom-right

Question 12

Medium



Options for Matrix 5

A. White triangle at bottom-middle pointing down; White circle at centre

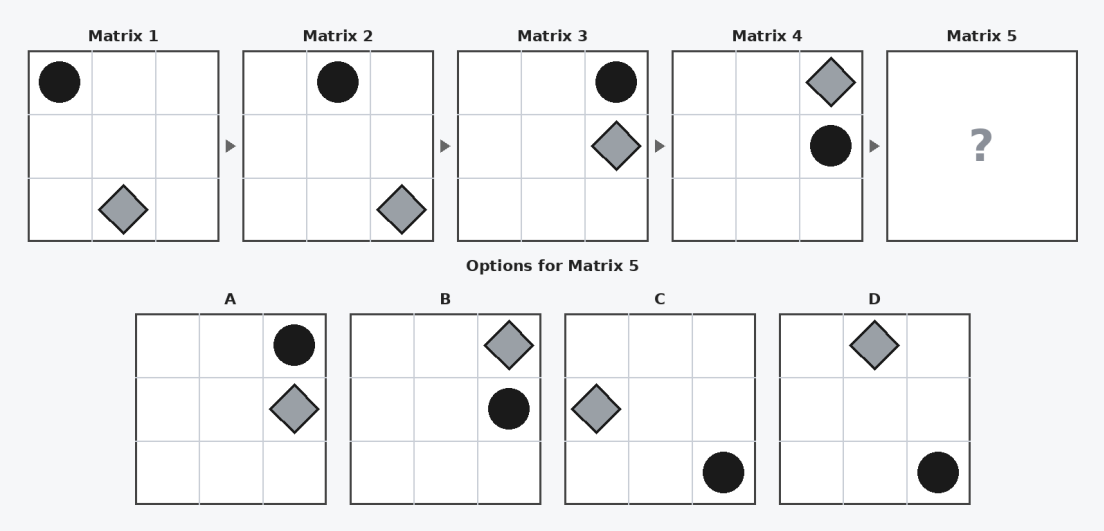
B. Grey triangle at top-middle pointing up; White circle at centre

C. Black triangle at middle-left pointing left; White circle at centre

D. Grey triangle at top-middle pointing left; White circle at centre

Question 13

Medium



Options for Matrix 5

A. Black circle at top-right; Grey diamond at middle-right

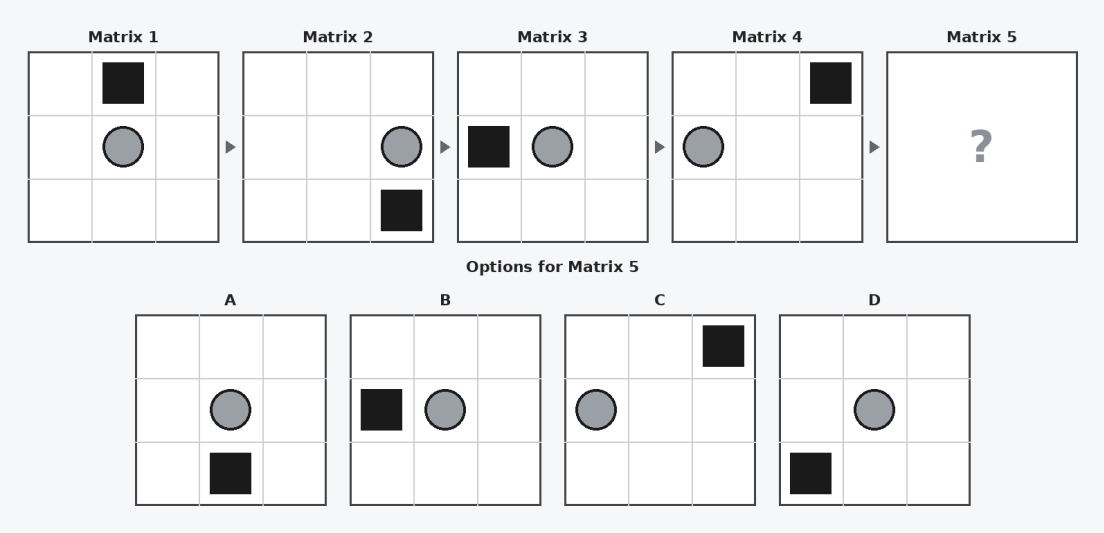
B. Black circle at middle-right; Grey diamond at top-right

C. Black circle at bottom-right; Grey diamond at middle-left

D. Black circle at bottom-right; Grey diamond at top-middle

Question 14

Medium



Options for Matrix 5

A. Black square at bottom-middle; Grey circle at centre

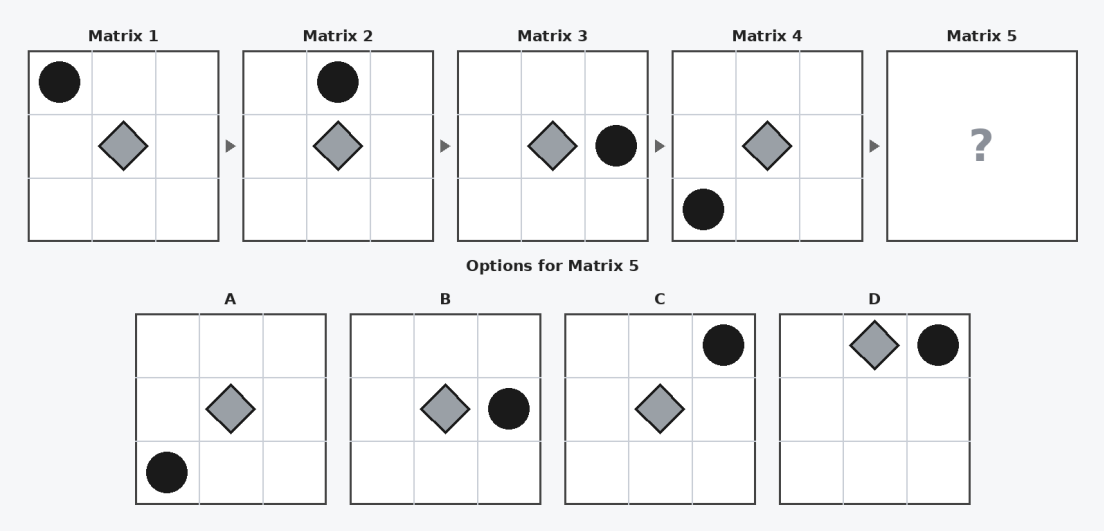
B. Black square at middle-left; Grey circle at centre

C. Black square at top-right; Grey circle at middle-left

D. Black square at bottom-left; Grey circle at centre

Question 15

Medium



Options for Matrix 5

A. Black circle at bottom-left; Grey diamond at centre

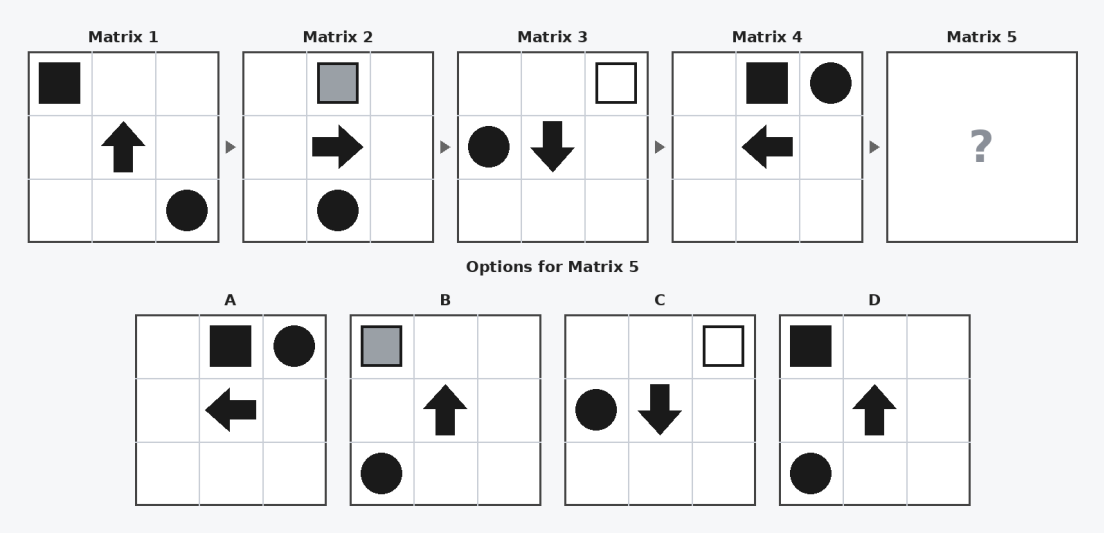
B. Black circle at middle-right; Grey diamond at centre

C. Black circle at top-right; Grey diamond at centre

D. Black circle at top-right; Grey diamond at top-middle

Question 16

Hard



Options for Matrix 5

A. Black circle at top-right; Black arrow at centre pointing left; Black square at top-middle

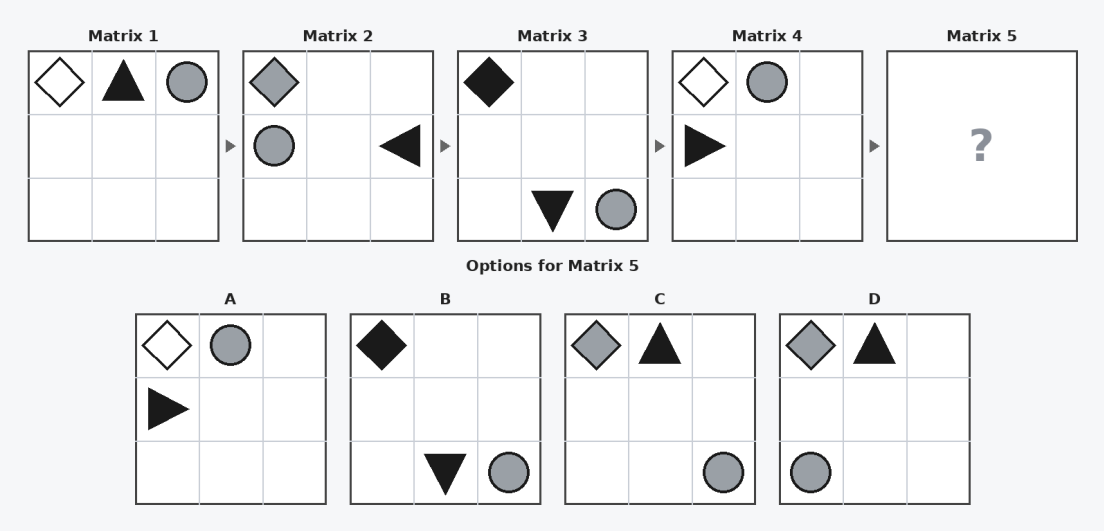
B. Black circle at bottom-left; Black arrow at centre pointing up; Grey square at top-left

C. Black circle at middle-left; Black arrow at centre pointing down; White square at top-right

D. Black circle at bottom-left; Black arrow at centre pointing up; Black square at top-left

Question 17

Hard



Options for Matrix 5

A. Black triangle at middle-left pointing right; Grey circle at top-middle; White diamond at top-left

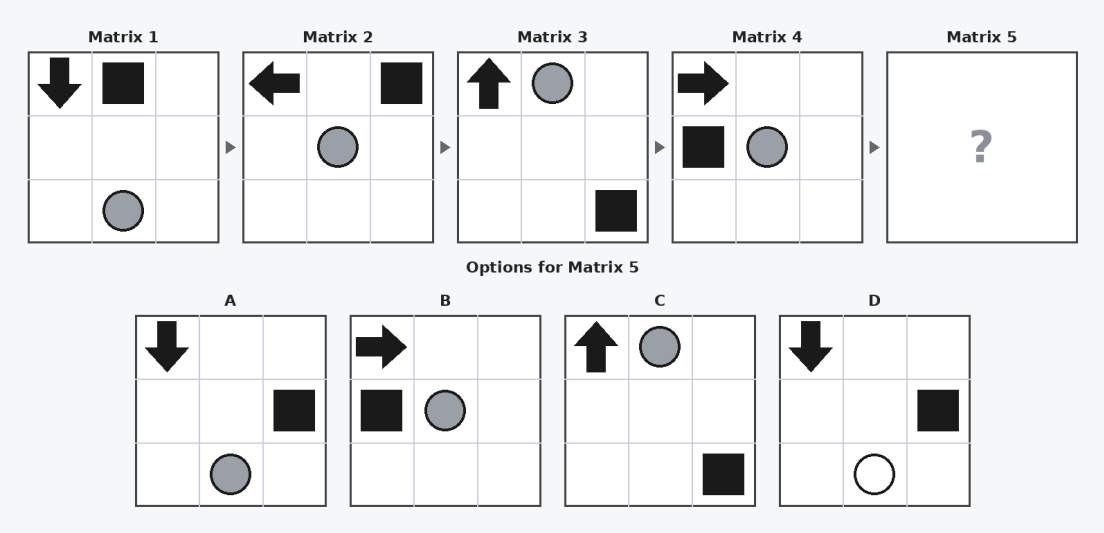
B. Black triangle at bottom-middle pointing down; Grey circle at bottom-right; Black diamond at top-left

C. Black triangle at top-middle pointing up; Grey circle at bottom-right; Grey diamond at top-left

D. Black triangle at top-middle pointing up; Grey circle at bottom-left; Grey diamond at top-left

Question 18

Hard



Options for Matrix 5

A. Black square at middle-right; Grey circle at bottom-middle; Black arrow at top-left pointing down

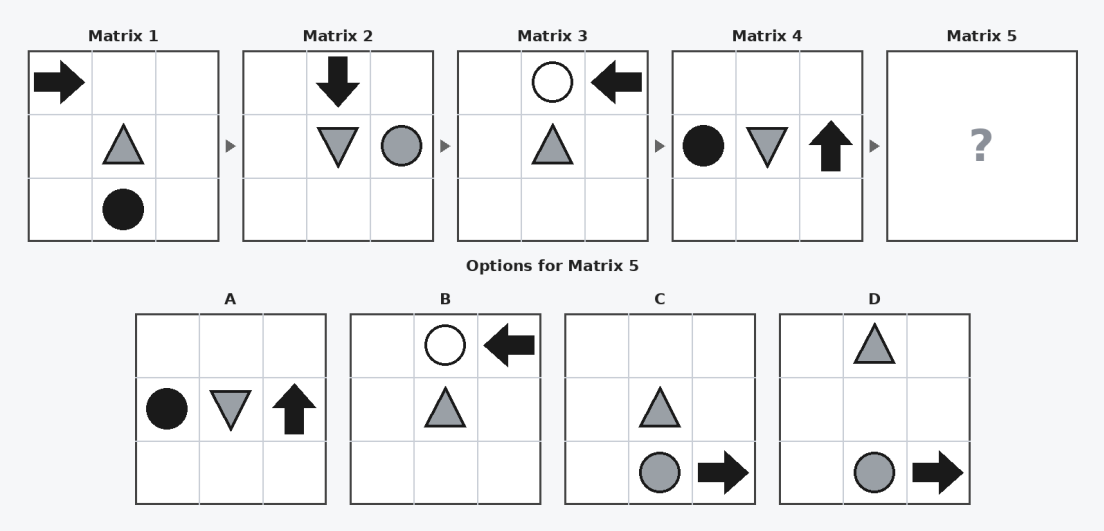
B. Black square at middle-left; Grey circle at centre; Black arrow at top-left pointing right

C. Black square at bottom-right; Grey circle at top-middle; Black arrow at top-left pointing up

D. Black square at middle-right; White circle at bottom-middle; Black arrow at top-left pointing down

Question 19

Hard



Options for Matrix 5

A. Black arrow at middle-right pointing up; Black circle at middle-left; Grey triangle at centre pointing down

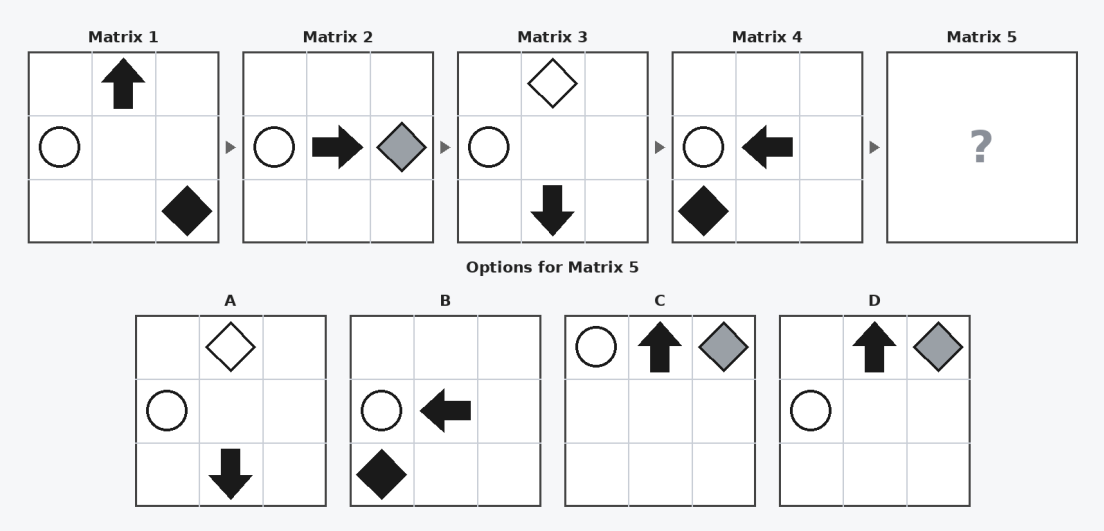
B. Black arrow at top-right pointing left; White circle at top-middle; Grey triangle at centre pointing up

C. Black arrow at bottom-right pointing right; Grey circle at bottom-middle; Grey triangle at centre pointing up

D. Black arrow at bottom-right pointing right; Grey circle at bottom-middle; Grey triangle at top-middle pointing up

Question 20

Hard



Options for Matrix 5

A. White diamond at top-middle; Black arrow at bottom-middle pointing down; White circle at middle-left

B. Black diamond at bottom-left; Black arrow at centre pointing left; White circle at middle-left

C. Grey diamond at top-right; Black arrow at top-middle pointing up; White circle at top-left

D. Grey diamond at top-right; Black arrow at top-middle pointing up; White circle at middle-left

Answer key

Question 1 **A**	Question 2 **A**	Question 3 **D**	Question 4 **B**
Question 5 **D**	Question 6 **A**	Question 7 **C**	Question 8 **D**
Question 9 **B**	Question 10 **C**	Question 11 **A**	Question 12 **B**
Question 13 **D**	Question 14 **A**	Question 15 **C**	Question 16 **B**
Question 17 **D**	Question 18 **A**	Question 19 **C**	Question 20 **D**

If one rule keeps appearing in the questions that went wrong, spend a short session on that rule alone before moving to the next set.

Answers and explanations

Question 1 Easy Answer: A

Rules used: Straight-line movement, Bouncing off the boundary.

The circle moves one cell diagonally down-right in each matrix (Matrices 1 to 3: top-left, centre, bottom-right). It bounces back when it reaches the bottom-right corner and retraces its path up-left, so it is at the centre in Matrix 4 and returns to top-left in Matrix 5.

Question 2 Easy Answer: A

Rules used: Moving along the boundary, Rotation.

The circle moves 2 positions clockwise around the outer ring in every matrix, skipping one cell each time. After four moves it completes one full loop and is back at the top-left in Matrix 5. The arrow stays at the centre and rotates 90 degrees clockwise in each matrix, so after four turns it completes a full rotation and points up again in Matrix 5.

Question 3 Easy Answer: D

Rules used: Moving along the boundary, Rotation.

The circle stays fixed at the middle-right cell throughout and does not move in any matrix. The diamond moves 2 positions clockwise around the outer ring in each matrix, so after four moves it completes one full loop and is back at the bottom-right in Matrix 5. The arrow in the centre rotates 90 degrees anticlockwise in each matrix, so after four turns it completes a full rotation and points right again in Matrix 5.

Question 4 Easy Answer: B

Rules used: Moving along the boundary.

The triangle moves 1 position clockwise around the outer ring in every matrix, from top-middle to bottom-right in Matrix 4 and then bottom-middle in Matrix 5.

Question 5 Easy Answer: D

Rules used: Colour change.

The square stays at middle-left in every matrix. It changes colour in the repeating order black to grey to white, so it is grey in Matrix 5.

Question 6 Easy Answer: A

Rules used: Rotation.

The arrow stays at top-right in every matrix. It rotates 90 degrees clockwise in each matrix and points right in Matrix 5.

Question 7 Easy Answer: C

Rules used: Straight-line movement, Bouncing off the boundary.

The diamond moves vertically one cell in each matrix and bounces back when it reaches the edge of the grid (bottom-middle, centre, top-middle, centre), so Matrix 5 shows it at bottom-middle.

Question 8 Easy Answer: D

Rules used: Straight-line movement, Bouncing off the boundary.

The circle moves diagonally one cell in each matrix and bounces back when it reaches the edge of the grid (top-middle, middle-right, bottom-middle, middle-left), so Matrix 5 shows it at top-middle.

Question 9 Easy Answer: B

Rules used: Moving along the boundary.

The circle moves 3 positions anticlockwise around the outer ring in every matrix, from bottom-right to middle-right in Matrix 4 and then top-left in Matrix 5.

Question 10 Medium Answer: C

Rules used: Rotation, Moving along the boundary.

The square moves 1 position clockwise around the outer ring in every matrix, from bottom-left to top-middle in Matrix 4 and then top-right in Matrix 5. The arrow stays at centre in every matrix. It rotates 90 degrees anticlockwise in each matrix and points right in Matrix 5.

Question 11 Medium Answer: A

Rules used: Colour change, Straight-line movement, Bouncing off the boundary.

The circle moves horizontally one cell in each matrix and bounces back when it reaches the edge of the grid (top-left, top-middle, top-right, top-middle), so Matrix 5 shows it at top-left. It changes colour in the repeating order black to grey to white, so it is grey in Matrix 5. The diamond stays at bottom-middle in every matrix.

Question 12 Medium Answer: B

Rules used: Colour change, Rotation, Straight-line movement, Bouncing off the boundary.

The triangle moves diagonally one cell in each matrix and bounces back when it reaches the edge of the grid (top-middle, middle-right, bottom-middle, middle-left), so Matrix 5 shows it at top-middle. It rotates 90 degrees clockwise in each matrix and points up in Matrix 5. It changes colour in the repeating order black to grey to white, so it is grey in Matrix 5. The circle stays at centre in every matrix.

Question 13 Medium Answer: D

Rules used: No disappearing or overlapping, Moving along the boundary.

The circle moves 1 position clockwise around the outer ring in every matrix, from top-left to middle-right in Matrix 4 and then bottom-right in Matrix 5. The diamond moves 1 position anticlockwise around the outer ring in every matrix, from bottom-middle to top-right in Matrix 4 and then top-middle in Matrix 5.

Question 14 Medium Answer: A

Rules used: Straight-line movement, Bouncing off the boundary, Moving along the boundary.

The square moves 3 positions clockwise around the outer ring in every matrix, from top-middle to top-right in Matrix 4 and then bottom-middle in Matrix 5. The circle moves horizontally one cell in each matrix and bounces back when it reaches the edge of the grid (centre, middle-right, centre, middle-left), so Matrix 5 shows it at centre.

Question 15 Medium Answer: C

Rules used: The x+1 progression, Moving along the boundary.

The circle moves around the outer ring clockwise by 1, 2, 3 and then 4 positions (the x+1 progression), so it lands at top-right in Matrix 5. The diamond stays at centre in every matrix.

Question 16 Hard Answer: B

Rules used: Colour change, Rotation, Straight-line movement, The x+1 progression, Bouncing off the boundary, Moving along the boundary.

The circle moves around the outer ring clockwise by 1, 2, 3 and then 4 positions (the x+1 progression), so it lands at bottom-left in Matrix 5. The arrow stays at centre in every matrix. It rotates 90 degrees clockwise in each matrix and points up in Matrix 5. The square moves horizontally one cell in each matrix and bounces back when it reaches the edge of the grid (top-left, top-middle, top-right, top-middle), so Matrix 5 shows it at top-left. It changes colour in the repeating order black to grey to white, so it is grey in Matrix 5.

Question 17 Hard Answer: D

Rules used: Colour change, Rotation, Straight-line movement, Bouncing off the boundary, Moving along the boundary.

The triangle moves diagonally one cell in each matrix and bounces back when it reaches the edge of the grid (top-middle, middle-right, bottom-middle, middle-left), so Matrix 5 shows it at top-middle. It rotates 90 degrees anticlockwise in each matrix and points up in Matrix 5. The circle moves 3 positions anticlockwise around the outer ring in every matrix, from top-right to top-middle in Matrix 4 and then bottom-left in Matrix 5. The diamond stays at top-left in every matrix. It changes colour in the repeating order white to grey to black, so it is grey in Matrix 5.

Question 18 Hard Answer: A

Rules used: Straight-line movement, The x+1 progression, Bouncing off the boundary, Moving along the boundary.

The square moves around the outer ring clockwise by 1, 2, 3 and then 4 positions (the x+1 progression), so it lands at middle-right in Matrix 5. The circle moves vertically one cell in each matrix and bounces back when it reaches the edge of the grid (bottom-middle, centre, top-middle, centre), so Matrix 5 shows it at bottom-middle. The arrow stays at top-left in every matrix. It rotates 90 degrees clockwise in each matrix and points down in Matrix 5.

Question 19 Hard Answer: C

Rules used: Colour change, Rotation, Straight-line movement, Bouncing off the boundary, Moving along the boundary.

The arrow moves 1 position clockwise around the outer ring in every matrix, from top-left to middle-right in Matrix 4 and then bottom-right in Matrix 5. It rotates 90 degrees clockwise in each matrix and points right in Matrix 5. The circle moves diagonally one cell in each matrix and bounces back when it reaches the edge of the grid (bottom-middle, middle-right, top-middle, middle-left), so Matrix 5 shows it at bottom-middle. It changes colour in the repeating order black to grey to white, so it is grey in Matrix 5. The triangle stays at centre in every matrix. It turns 180 degrees in each matrix and points up in Matrix 5.

Question 20 Hard Answer: D

Rules used: Colour change, Rotation, Straight-line movement, The x+1 progression, Bouncing off the boundary, Moving along the boundary.

The diamond moves around the outer ring anticlockwise by 1, 2, 3 and then 4 positions (the x+1 progression), so it lands at top-right in Matrix 5. It changes colour in the repeating order black to grey to white, so it is grey in Matrix 5. The arrow moves vertically one cell in each matrix and bounces back when it reaches the edge of the grid (top-middle, centre, bottom-middle, centre), so Matrix 5 shows it at top-middle. It rotates 90 degrees clockwise in each matrix and points up in Matrix 5. The circle stays at middle-left in every matrix.

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