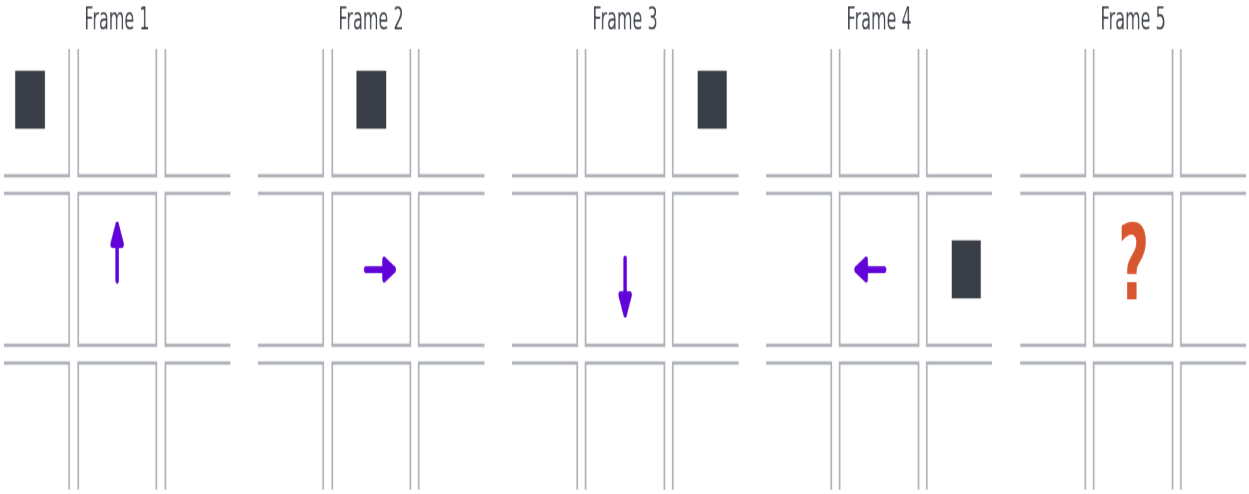
dMAT Core Module
Figure Sequences Practice Set

10 practice questions with visual pattern sequences and a full answer key

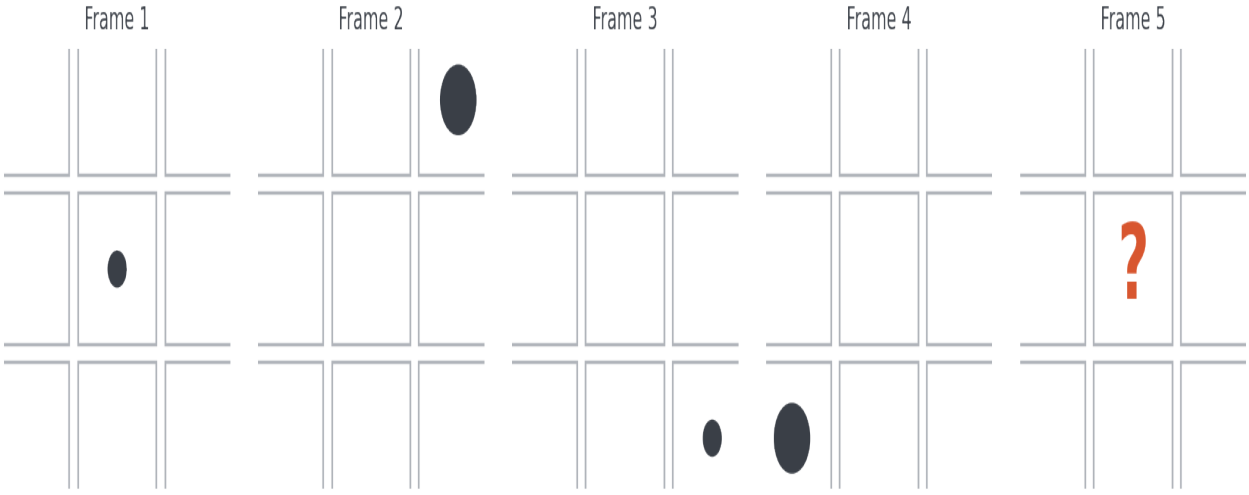
Format: 10 questions | Recommended time: 12 minutes (matches the real 75-seconds-per-question pace) | No calculator, notes, or rough paper allowed on the real exam, try to solve these the same way.

- Each question shows a sequence of grids. Figures move, rotate, or change size following a fixed rule.
- Work out the pattern from Frames 1-4, then determine what belongs in Frame 5 (marked with a ?).
- Answers and full explanations are on the last page.

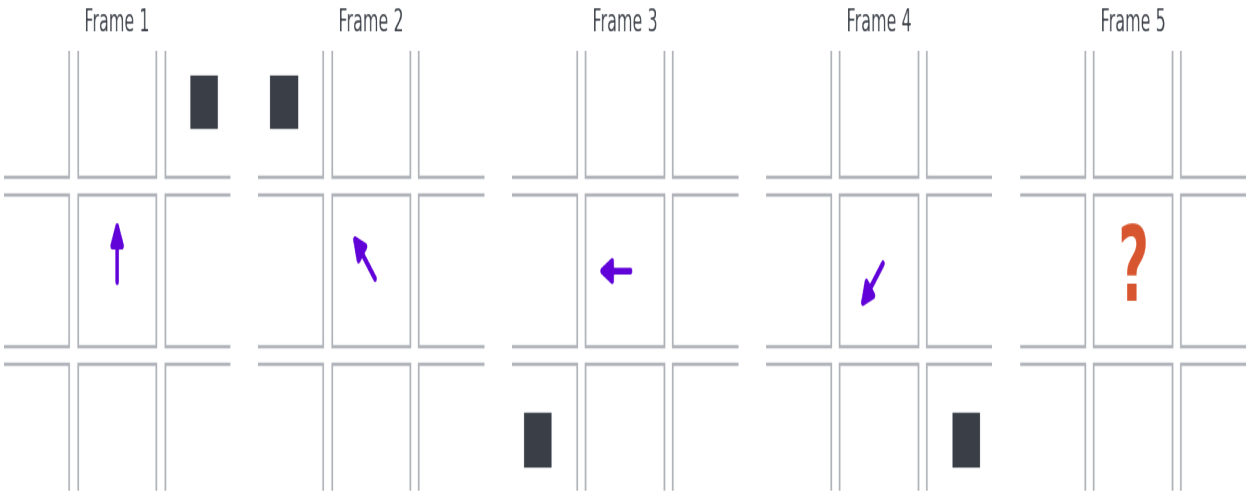
Question 1



Question 2

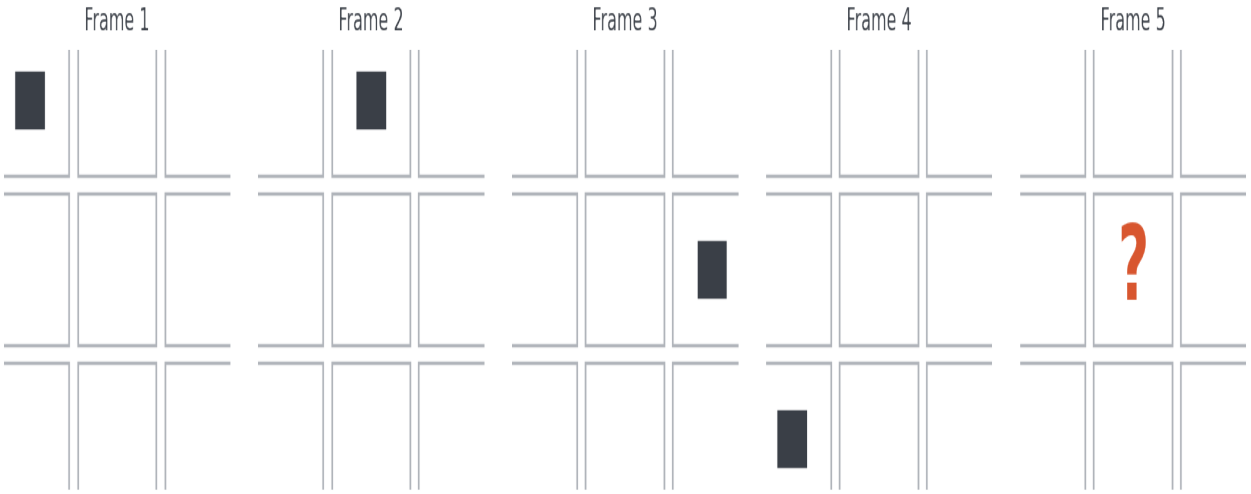


Question 3

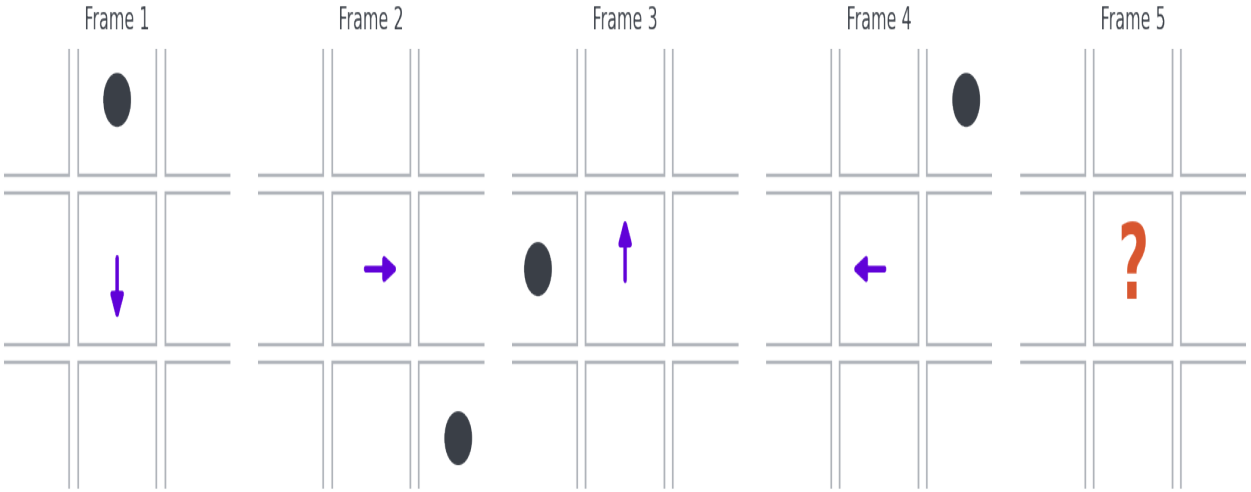


Question 4

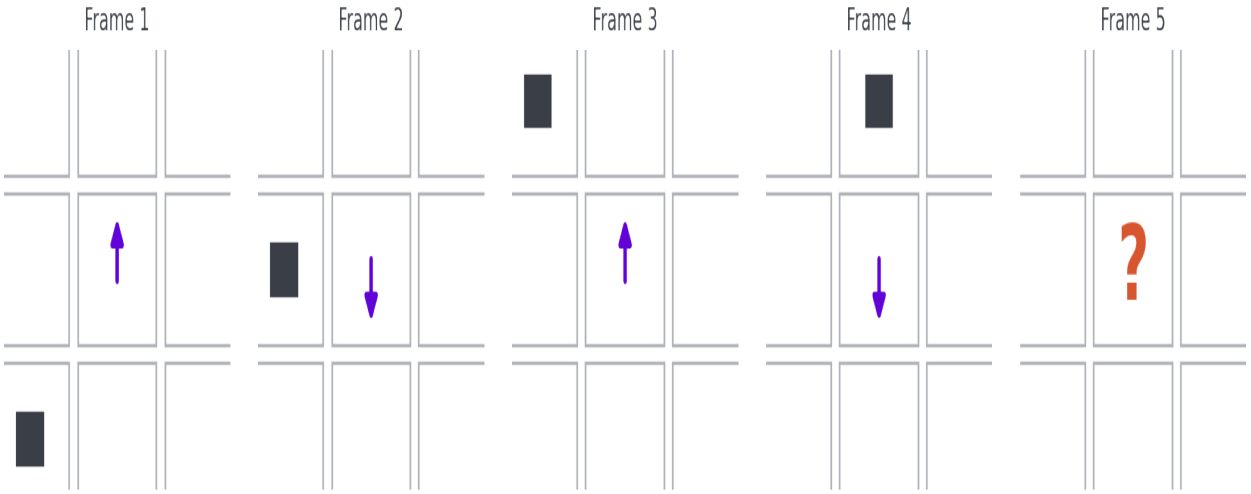
Question 5



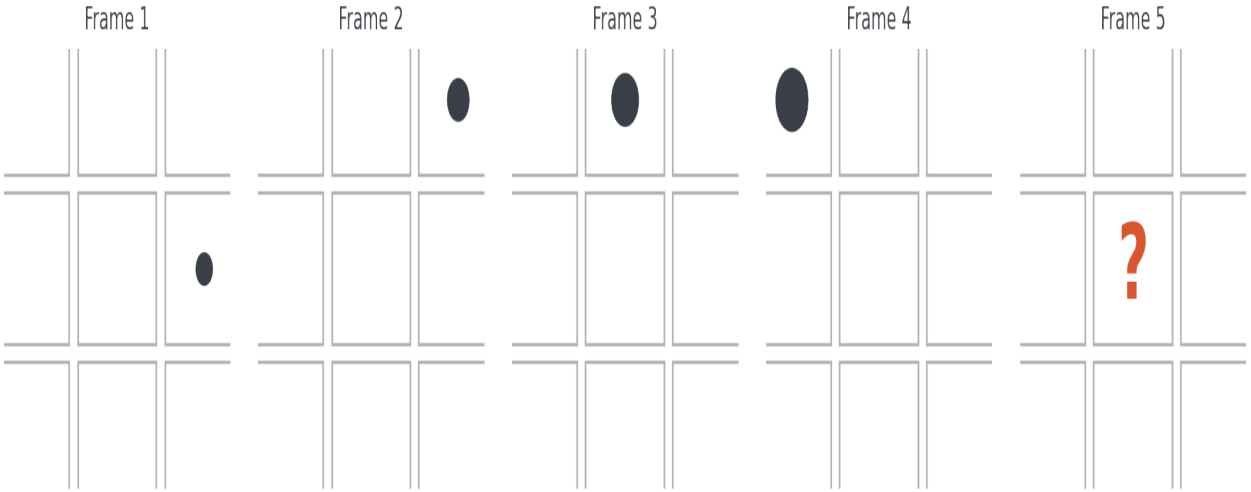
Question 6



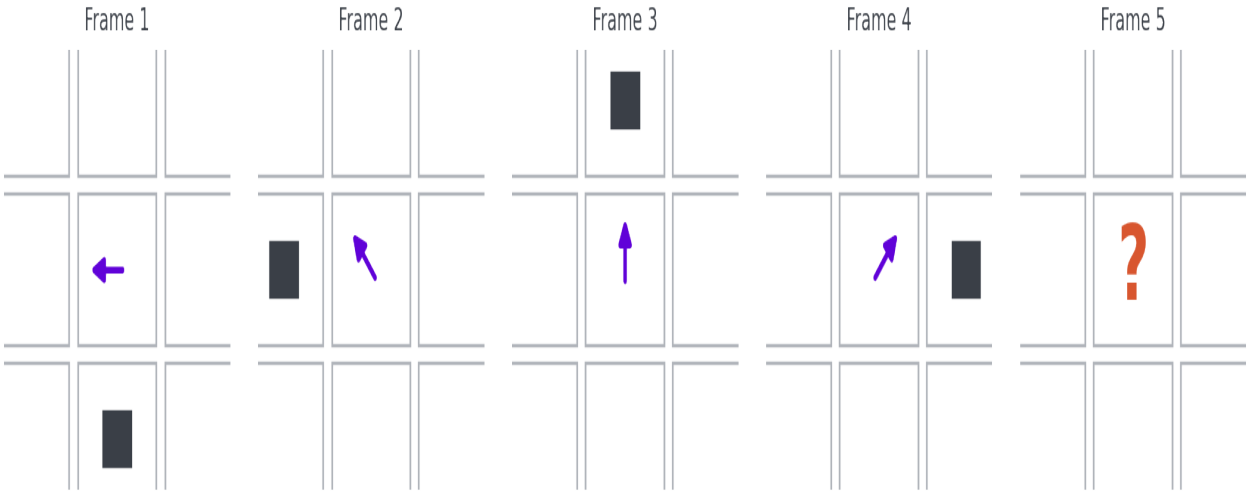
Question 7



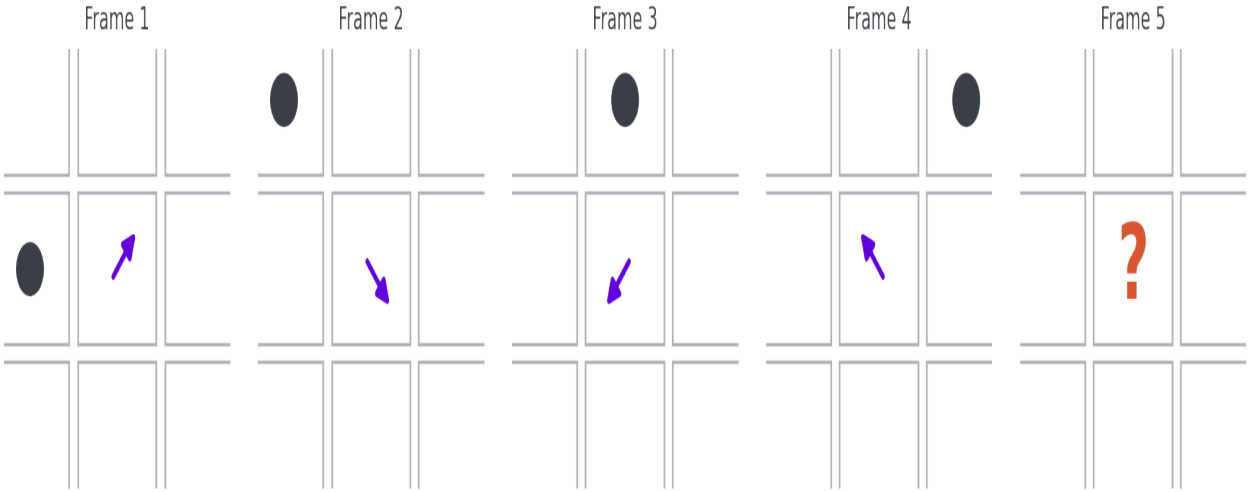
Question 8



Question 9


Frame 1
Frame 2
Frame 3
Frame 4
Frame 5
?

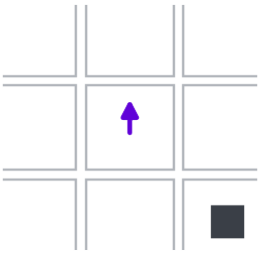
Question 10


Frame 1
Frame 2
Frame 3
Frame 4
Frame 5
?

Answer Key & Explanations

Question 1 Answer

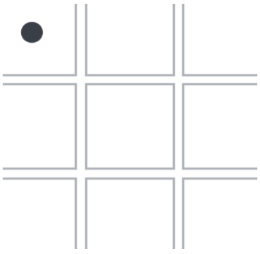
Answer



The square moves one outer cell clockwise each frame, and the arrow rotates 90° clockwise each frame. After 4 turns from 'up', the arrow returns to pointing up. Frame 5: square continues one more step clockwise, arrow points up.

Question 2 Answer

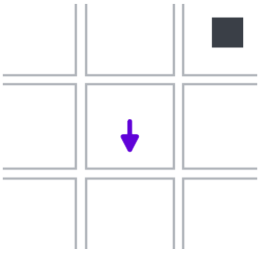
Answer



The circle jumps two outer cells clockwise each frame, and size alternates small/large starting small. Frame 5 continues the 2-step jump and follows the size-alternation pattern.

Question 3 Answer

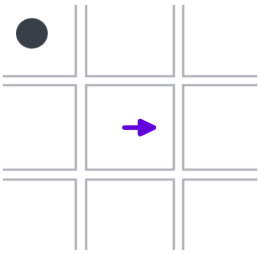
Answer



The square moves two cells counter-clockwise each frame, and the arrow rotates 45° counter-clockwise each frame. Apply both rules one more step for Frame 5.

Question 4 Answer

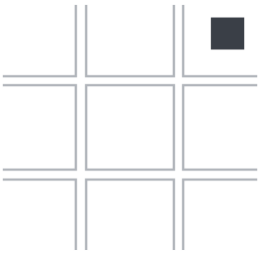
Answer



The circle moves one cell clockwise each frame, and the arrow rotates a full 180° each frame (so it alternates between two directions). Frame 5 follows both rules.

Question 5 Answer

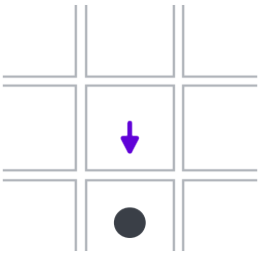
Answer



This sequence uses an 'x+1' movement rule: the shape moves 1 step, then 2, then 3, then 4 cells clockwise between frames. Frame 5 continues with a 5-step move from Frame 4's position.

Question 6 Answer

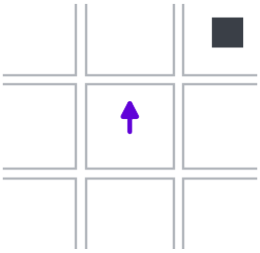
Answer



The circle moves three cells clockwise each frame, and the arrow rotates 90° counter-clockwise each frame. Apply both rules for Frame 5.

Question 7 Answer

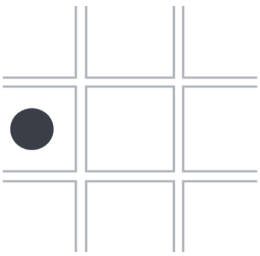
Answer



The square moves one cell clockwise each frame, while the arrow alternates strictly between two opposite directions (0° and 180°) each frame.

Question 8 Answer

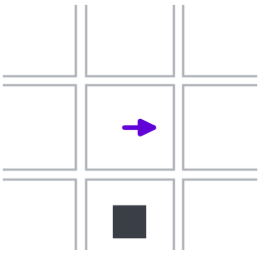
Answer



The circle moves one cell counter-clockwise each frame, and its size grows by a fixed amount each frame. Frame 5 continues both the position shift and the size growth.

Question 9 Answer

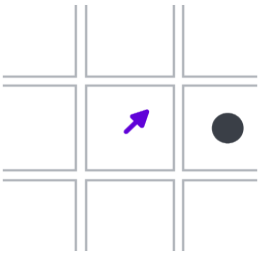
Answer



The square moves two cells clockwise each frame, and the arrow rotates 45° clockwise each frame.

Question 10 Answer

Answer



The circle moves one cell clockwise each frame, and the arrow rotates 90° clockwise each frame.