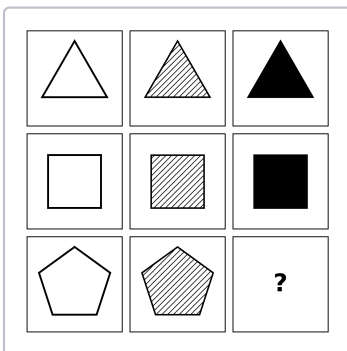


What is Pattern Recognition?

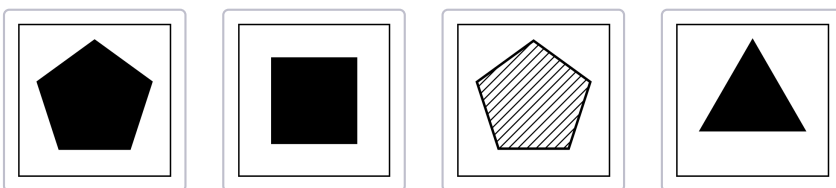
A 3x3 grid of figures follows TWO rules at once - one rule across each row, and a different rule down each column. The bottom-right box is missing. Work out the row rule and the column rule separately, then combine both to find the one option that satisfies both at the same time.

Q1. Polygon Sides x Shading

PATTERN GRID



ANSWER FIGURES



(A)

(B)

(C)

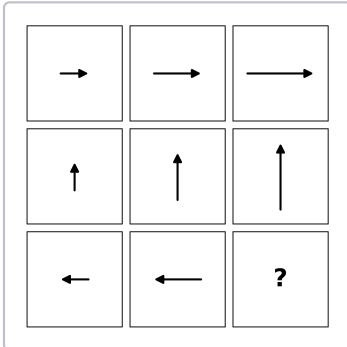
(D)

Answer: (A)

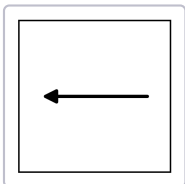
Rows add one side to the shape (triangle, square, pentagon); columns get more shaded (empty, hatched, solid). The missing box needs a pentagon that is fully solid black.

Q2. Arrow Direction x Length

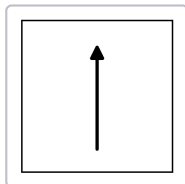
PATTERN GRID



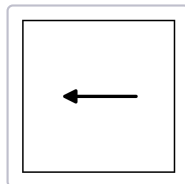
ANSWER FIGURES



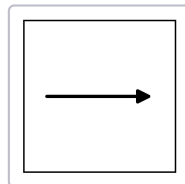
(A)



(B)



(C)



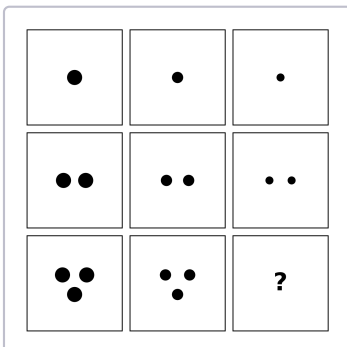
(D)

Answer: (A)

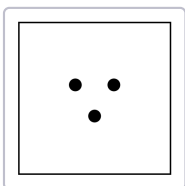
Rows rotate the arrow (right, up, left); columns make it longer, left to right.
The missing box needs a left-pointing arrow at the longest length used in the grid.

Q3. Dot Count x Dot Size

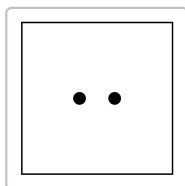
PATTERN GRID



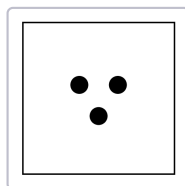
ANSWER FIGURES



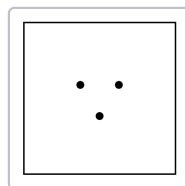
(A)



(B)



(C)



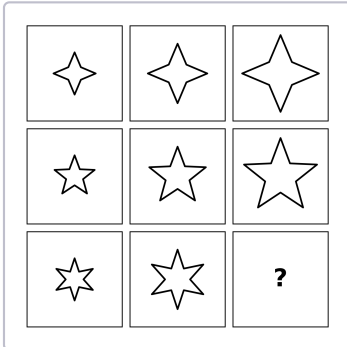
(D)

Answer: (A)

Rows add one more dot (1, 2, 3); columns make the dots smaller, left to right.
The missing box needs 3 dots, each at the smallest size used in the grid.

Q4. Star Points x Star Size

PATTERN GRID



ANSWER FIGURES

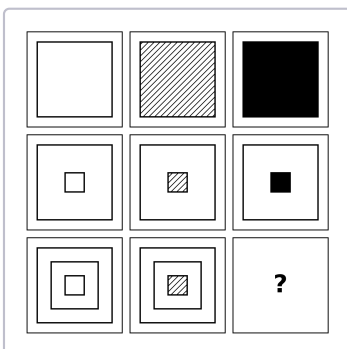


Answer: (A)

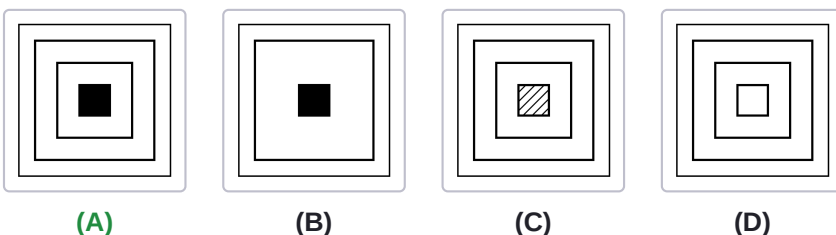
Rows add one point to the star (4, 5, 6); columns make the star bigger, left to right. The missing box needs a 6-pointed star at the largest size used in the grid.

Q5. Nested Squares x Centre Shading

PATTERN GRID



ANSWER FIGURES

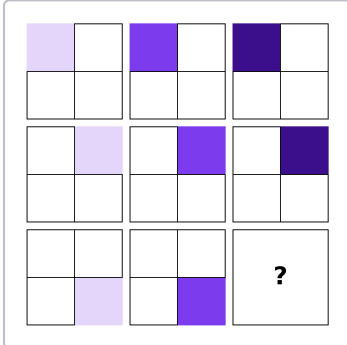


Answer: (A)

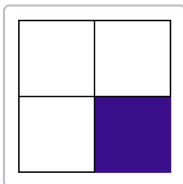
Rows add one more nested square (1, 2, 3); columns shade the innermost square more (empty, hatched, solid). The missing box needs 3 squares with a solid black centre.

Q6. Shaded Position x Colour Depth

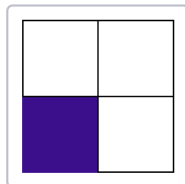
PATTERN GRID



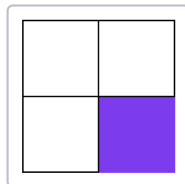
ANSWER FIGURES



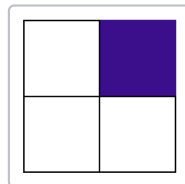
(A)



(B)



(C)



(D)

Answer: (A)

Rows move the shaded box clockwise around the corners (top-left, top-right, bottom-right); columns use a darker purple, left to right. The missing box needs the bottom-right corner shaded in the darkest purple.

Exam Tip

Cover every column except the first and describe the row rule in one line. Then cover every row except the first and describe the column rule in one line. The correct answer is the only option that obeys BOTH sentences - use this to eliminate options that only get one rule right.