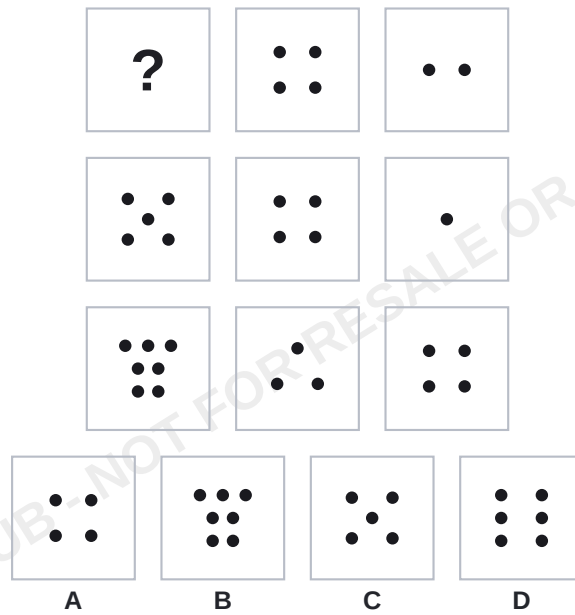


FREE SAMPLE: THE FIRST 3 QUESTIONS

1. In the grid, each row and column follows a rule. Which figure replaces the question mark?



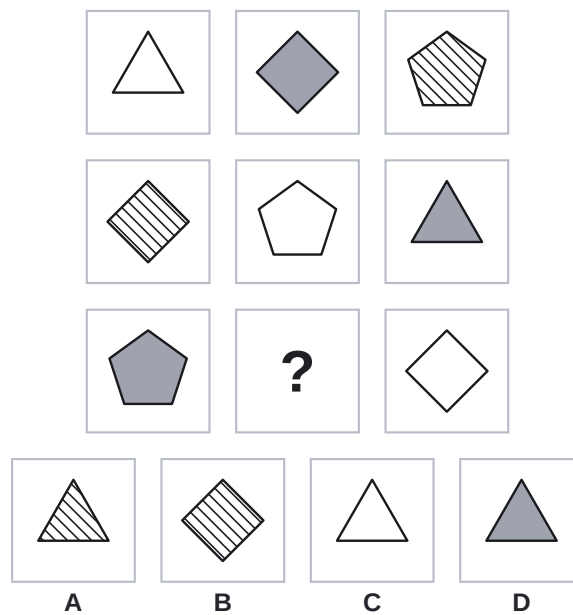
A Figure A

B Figure B

C Figure C

D Figure D

2. In the grid, each row and column follows a rule. Which figure replaces the question mark?



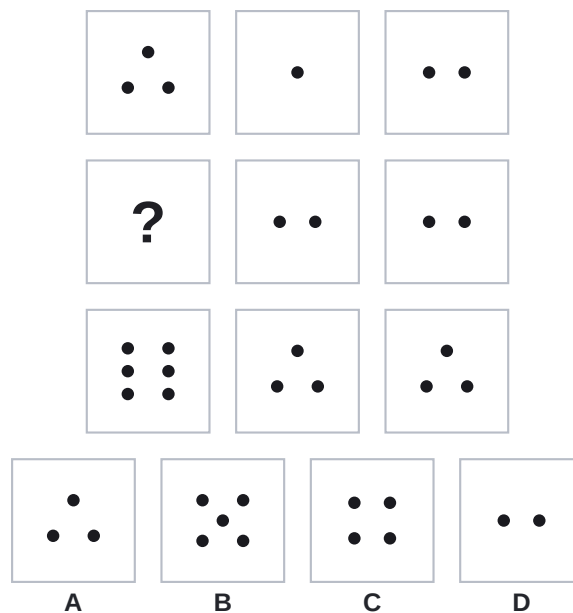
A Figure A

B Figure B

C Figure C

D Figure D

3. In the grid, each row and column follows a rule. Which figure replaces the question mark?



A Figure A

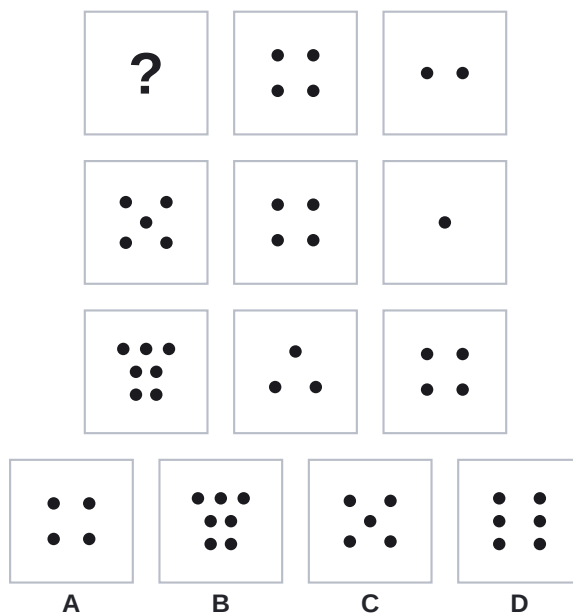
B Figure B

C Figure C

D Figure D

THE WORKED ANSWERS TO THOSE 3 QUESTIONS

1. In the grid, each row and column follows a rule. Which figure replaces the question mark?
[Matrix patterns]



Correct answer: D — Figure D

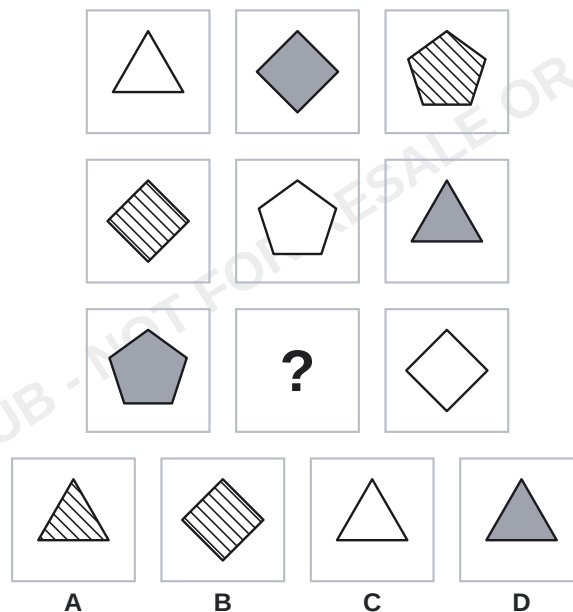
- In every row the dots in the first cell equal the dots in the other two cells added together: here $4 + 2 = 6$.
- So the missing cell is the one that completes every row and column rule.
- Why the other options are wrong:
 - A (Figure A): The row rule gives 6 dots, not 4.
 - B (Figure B): The row rule gives 6 dots, not 7.
 - C (Figure C): The row rule gives 6 dots, not 5.

LOS: TS3

KEY TAKEAWAY

In a Latin-square grid every row and column contains each item once, so the missing cell is the one item not yet used in its row and column.

2. In the grid, each row and column follows a rule. Which figure replaces the question mark?
[Matrix patterns]



Correct answer: A — Figure A

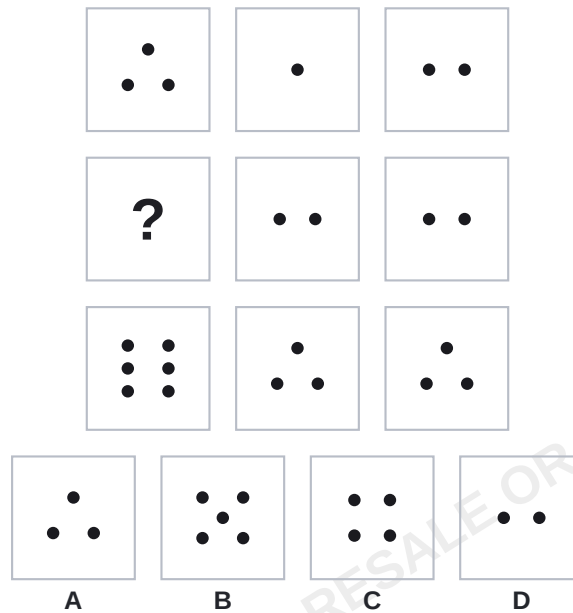
- Each row and each column uses every shape once and every shading once. In the row and column of the missing cell, the shapes already used are 4-sided/5-sided and the shadings already used are two others, so the missing cell must have the remaining shape and the remaining shading.
- So the missing cell is the one that completes every row and column rule.
- Why the other options are wrong:
 - B (Figure B): This repeats a shape or shading already used in the same row or column, so it breaks the rule.
 - C (Figure C): This repeats a shape or shading already used in the same row or column, so it breaks the rule.
 - D (Figure D): This repeats a shape or shading already used in the same row or column, so it breaks the rule.

LOS: TS3

KEY TAKEAWAY

Test your rule on a different complete row to make sure it works everywhere.

3. In the grid, each row and column follows a rule. Which figure replaces the question mark?
[Matrix patterns]



Correct answer: C — Figure C

- In every row the dots in the first cell equal the dots in the other two cells added together: here $2 + 2 =$

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