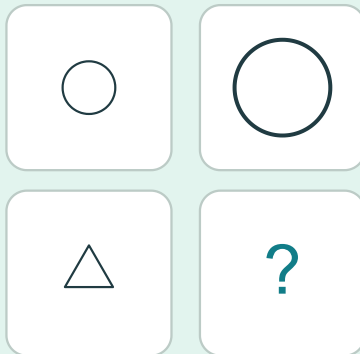


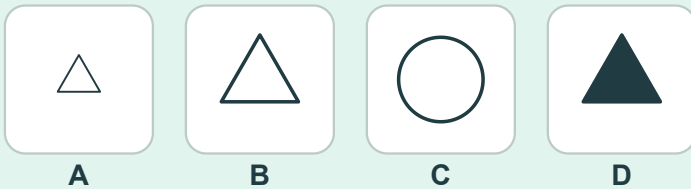
Figure Matrices: explore together

Choose A, B, C or D. Explain the rule before checking the answer key.

1. The growing shapes



Which option belongs?



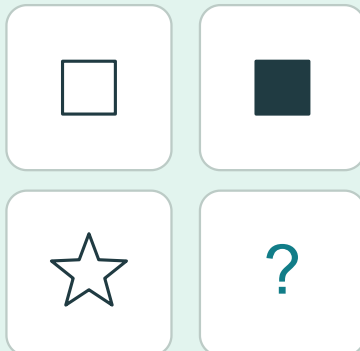
The growing shapes

Compare left to right. What changes, and what stays the same?

My answer: _____

My rule:

2. A splash of ink



Which option belongs?



A splash of ink

Look inside the shapes. Does the outside edge change?

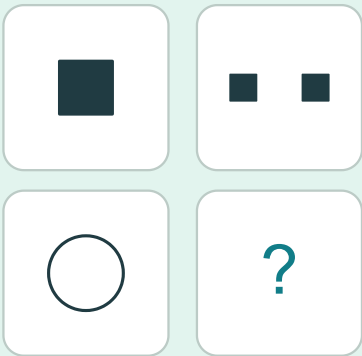
My answer: _____

My rule:

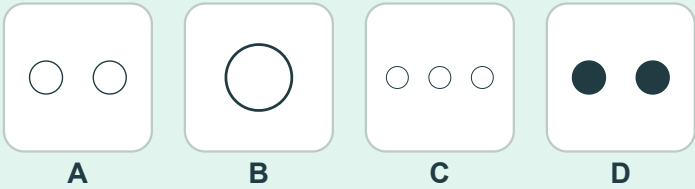
Figure Matrices: your turn

Choose A, B, C or D. Explain the rule before checking the answer key.

3. One more friend



Which option belongs?



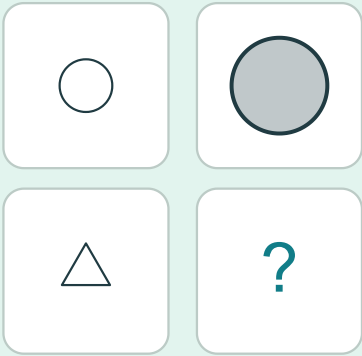
One more friend

Count the shapes in each top box before looking at the bottom row.

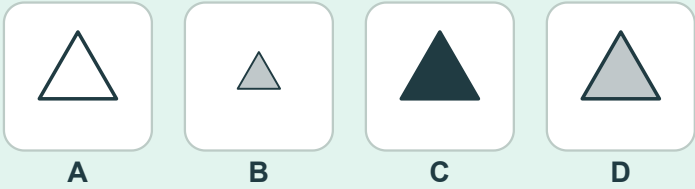
My answer: _____

My rule:

4. Two clues at once



Which option belongs?



Two clues at once

Try this one yourself: check both size and fill.

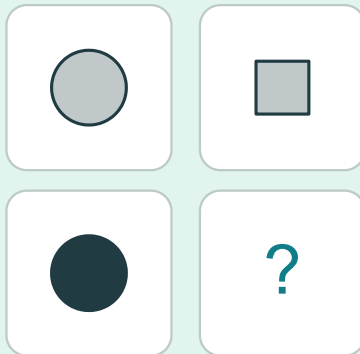
My answer: _____

My rule:

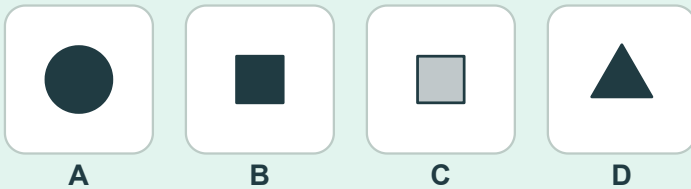
Figure Matrices: your turn

Choose A, B, C or D. Explain the rule before checking the answer key.

5. A different shape family



Which option belongs?



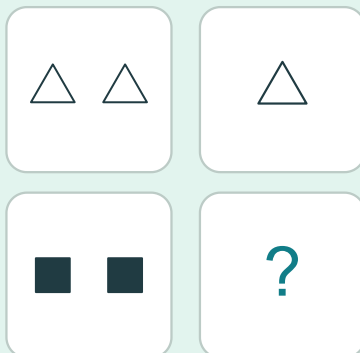
A different shape family

Try this one yourself: keep the fill while changing the shape.

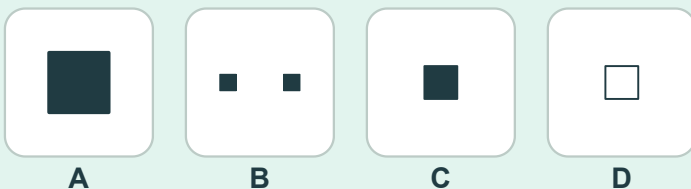
My answer: _____

My rule:

6. The shrinking pair



Which option belongs?



The shrinking pair

Try this one yourself: count first, then compare size.

My answer: _____

My rule:

Figure Matrices: answer key

Talk about the reasoning. These six teaching examples do not produce a standardized score.



1. The growing shapes: B

The small circle becomes a large circle. Keep the triangle outline and increase its size too. Choosing a large circle copies the top answer instead of applying its rule.



2. A splash of ink: C

The outline square becomes solid. Fill the star solid while keeping its size and shape. Grey is a different fill; an outline star has not changed.



3. One more friend: A

One solid square becomes two solid squares. The bottom row must likewise turn one outline circle into two outline circles. Three circles add too many, and solid circles change an extra feature.



4. Two clues at once: D

The top circle changes from small and empty to large and grey. The triangle must make both changes. A large empty triangle follows only the size clue; a small grey triangle follows only the fill clue.



5. A different shape family: B

A grey circle becomes a grey square. Apply that same change to the solid circle: it becomes a solid square. The bottom fill stays solid; it does not copy the grey fill from the top row.



6. The shrinking pair: C

Two large outline triangles become one small outline triangle. The two large solid squares must become one small solid square. Keep the square shape and solid fill while changing both count and size.

Explore more: growmindgrow.com/blog/articles/cogat-figure-matrices-practice