

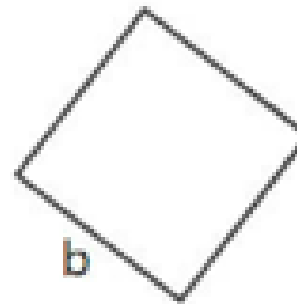
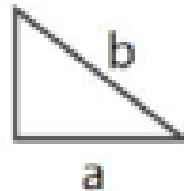
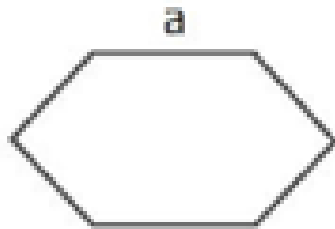


STEM Thinking Skills Test Prep

Spatial Reasoning Types Part 1

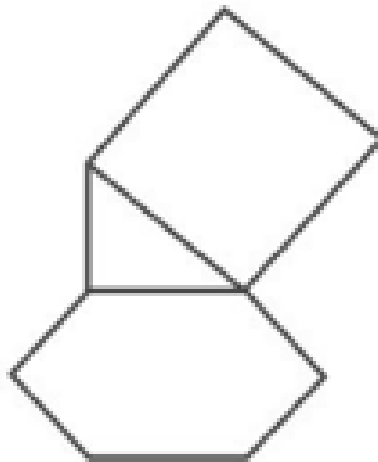
Type 1. Combining Shapes

Take a look at the following 3 shapes.
Note the letters on the side of each
shape:



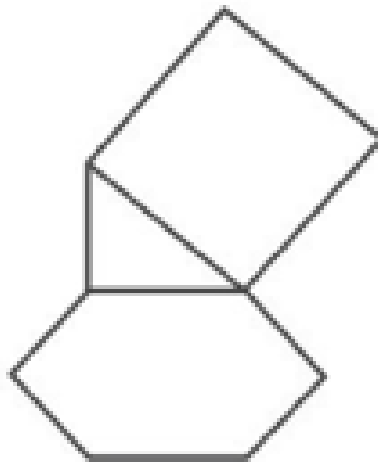
Type 1. Combining Shapes

Join all of the 3 shapes together with the corresponding letters to make the following shape:



Type 1. Combining Shapes

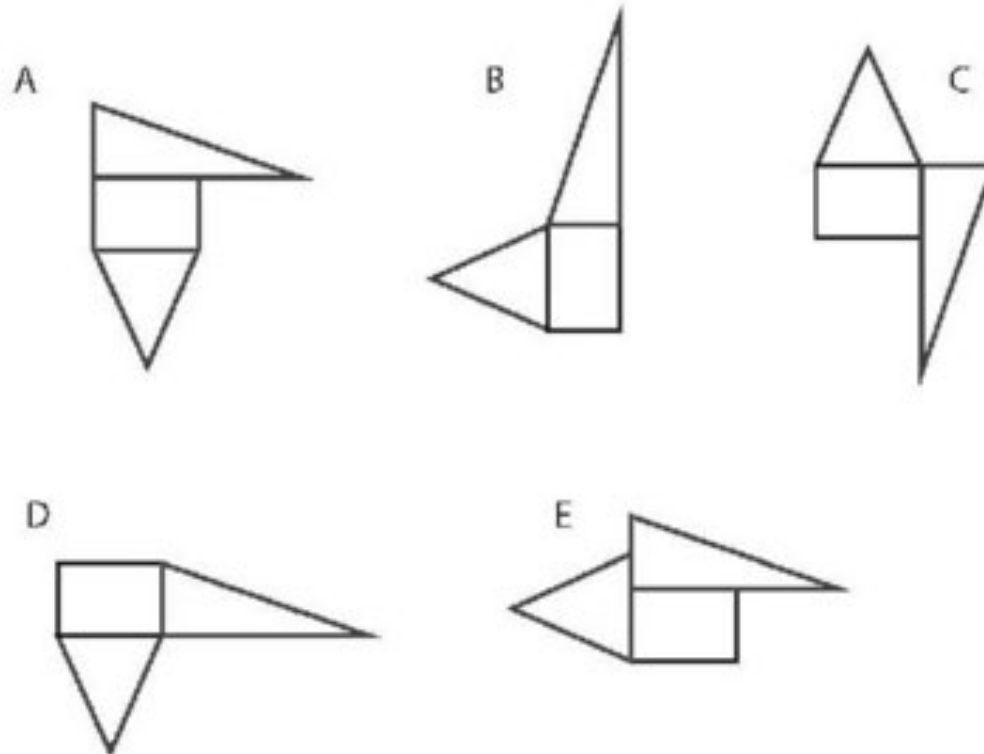
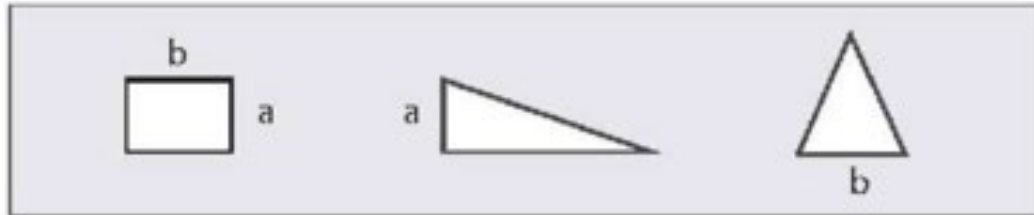
Join all of the 3 shapes together with the corresponding letters to make the following shape:



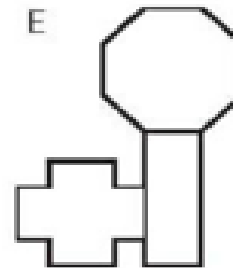
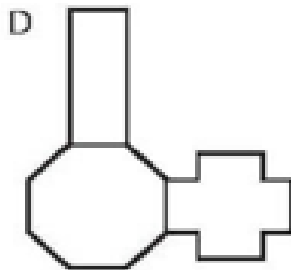
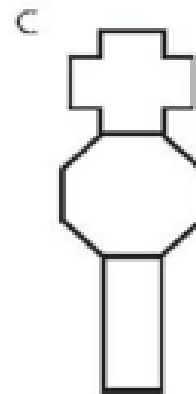
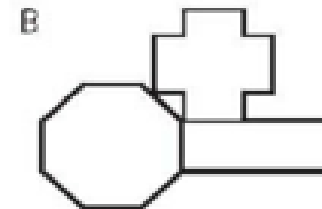
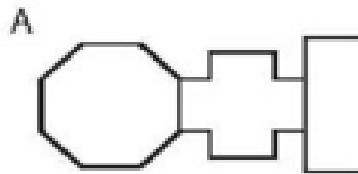
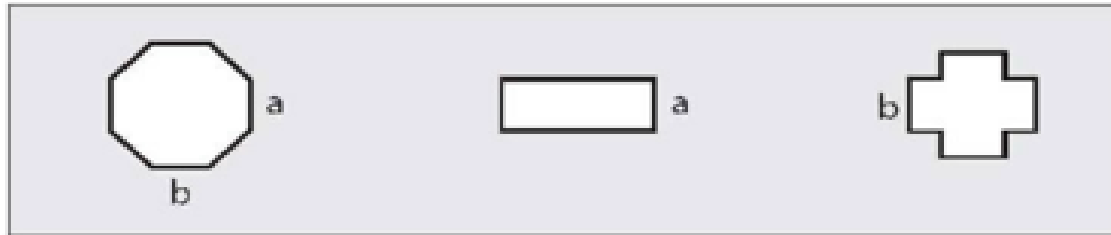
Guided Practice



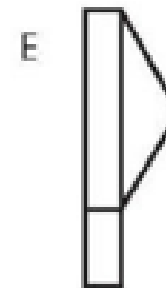
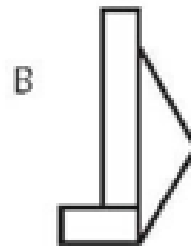
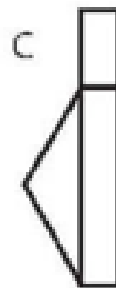
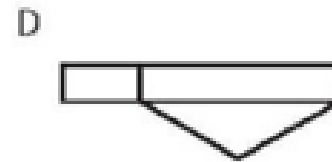
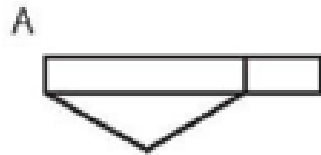
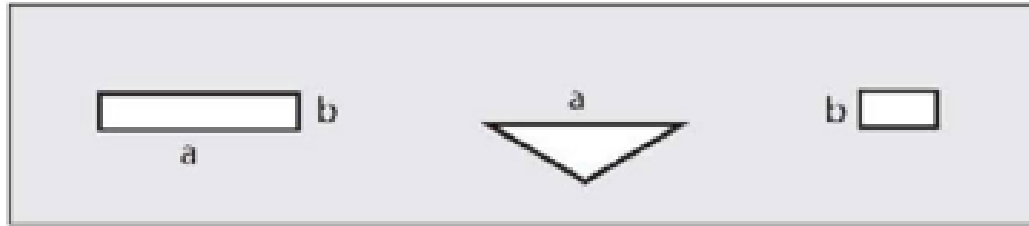
Type 1. Combining Shapes



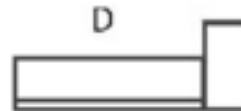
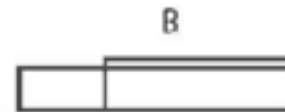
Type 1. Combining Shapes



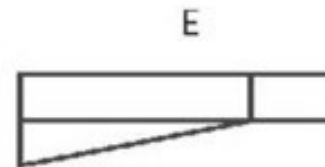
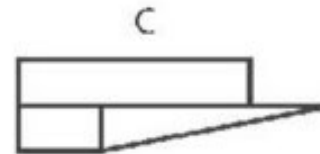
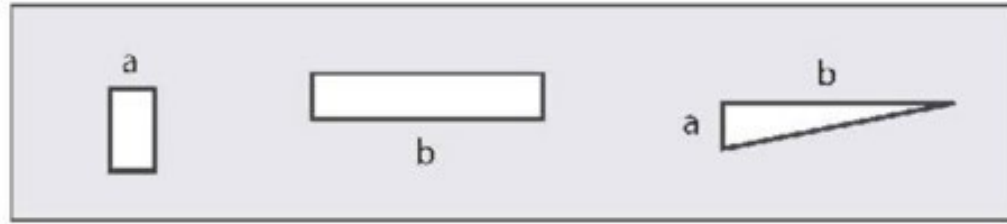
Type 1. Combining Shapes



Type 1. Combining Shapes



Type 1. Combining Shapes



Guided Practice

ANSWERS TO SPATIAL REASONING TEST EXERCISE 1

Q1. B

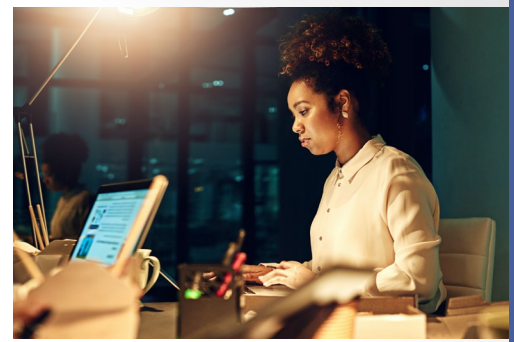
Q2. D

Q3. A

Q4. E

Q5. D

Independent Practice

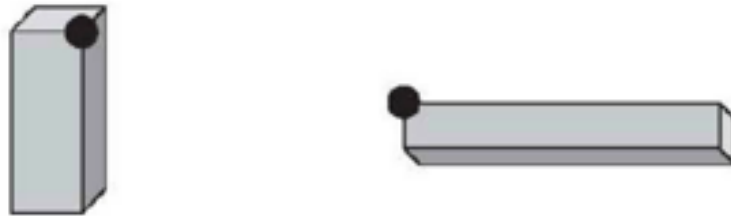


Login to your YSC
Dashboard and do
the timed quiz
entitled
Combining Shapes 1

Type 2. 3D Rotation

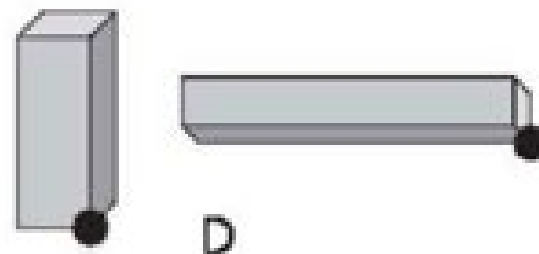
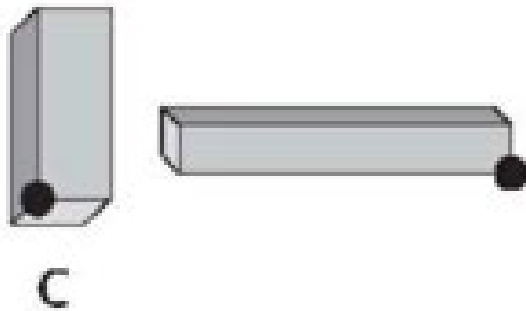
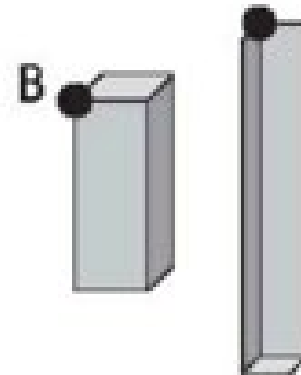
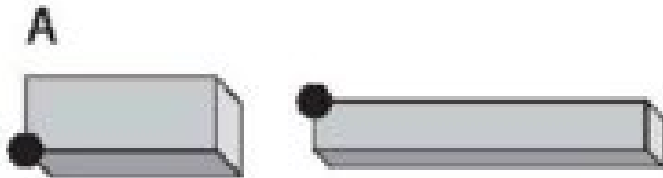
Both objects rotate the same amount.

Look at the 2 objects below:



You now have to decide which of the 4 options provided demonstrates both objects rotated with the dot in the correct position. Look at the options below:

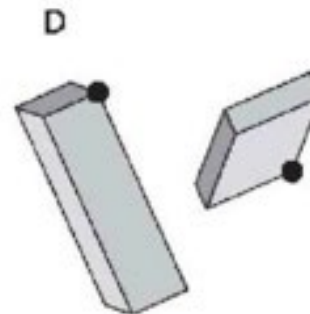
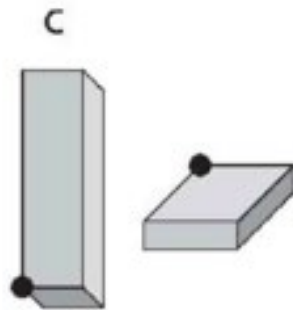
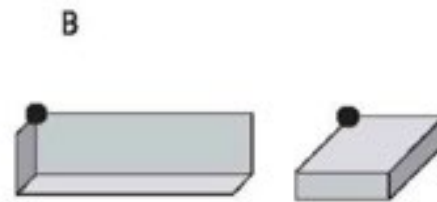
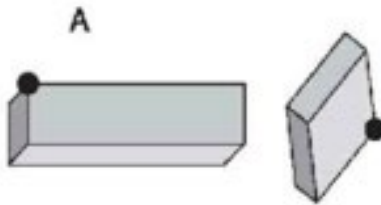
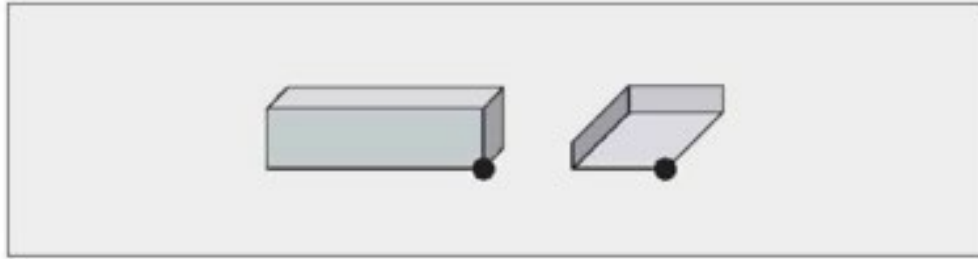
Type 2. 3D Rotation



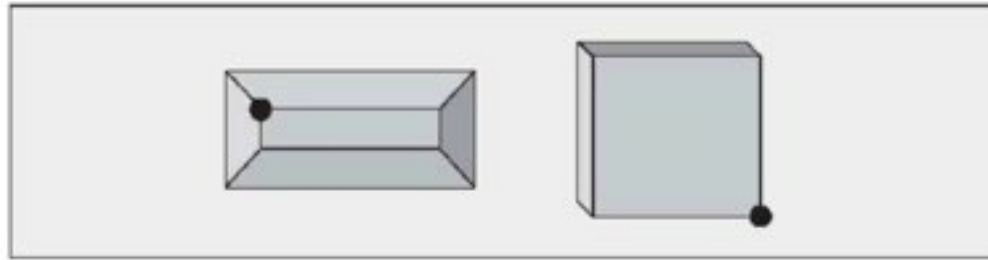
Guided Practice



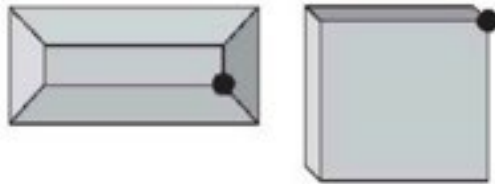
Type 2. 3D Rotation



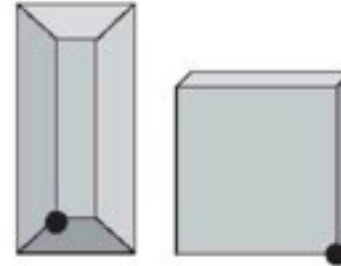
Type 2. 3D Rotation



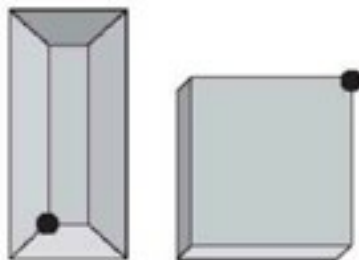
A



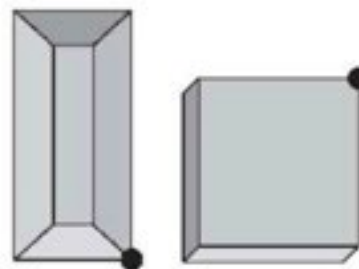
B



C

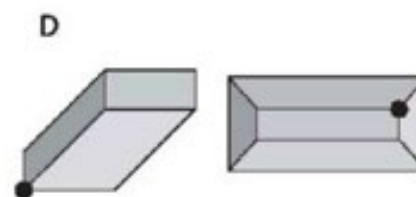
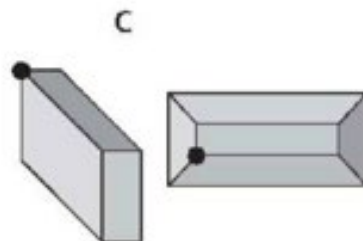
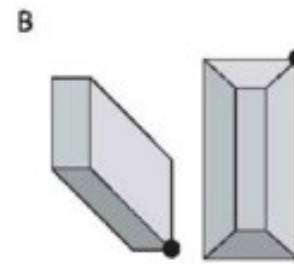
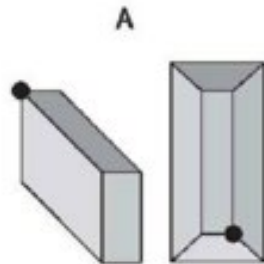
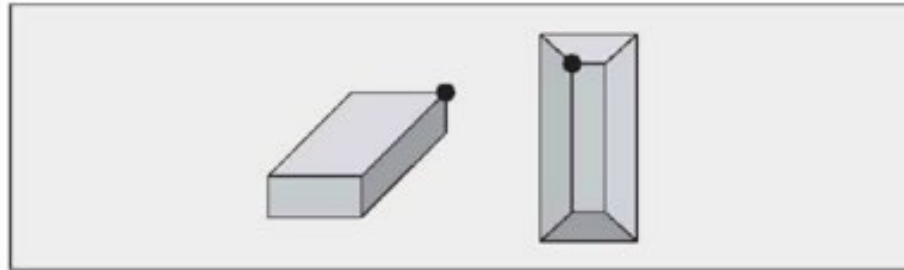


D



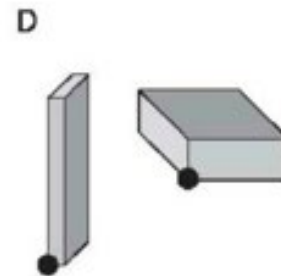
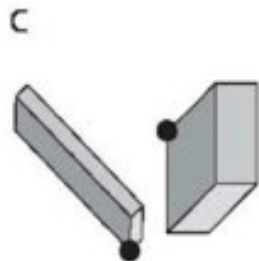
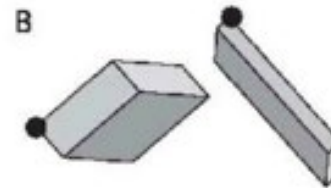
Type 2. 3D Rotation

Question 3

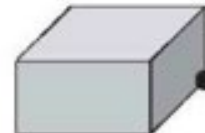
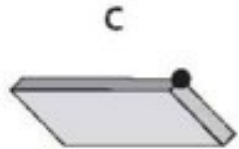
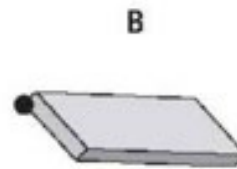
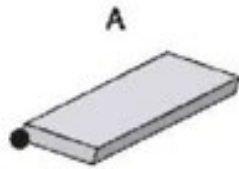
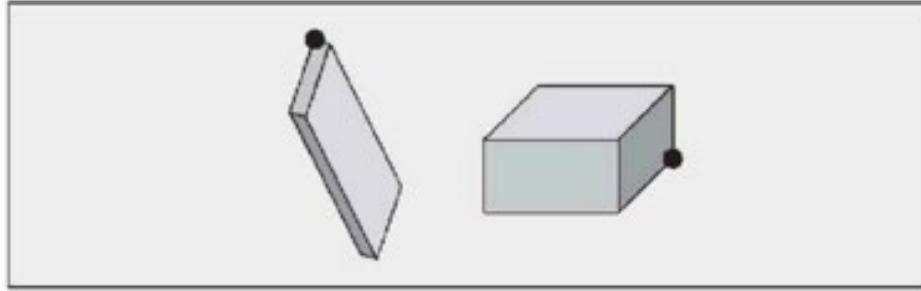


Type 2. 3D Rotation

Question 4



Type 2. 3D Rotation



Type 2. 3D Rotation Answers

Q1. B

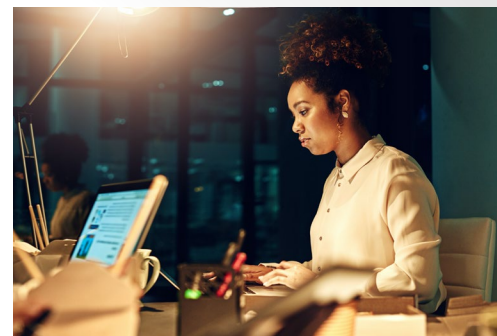
Q2. C

Q3. C

Q4. C

Q5. A

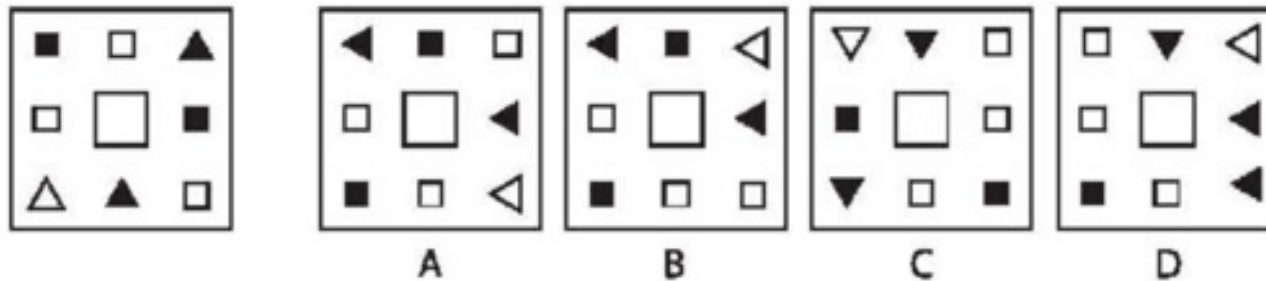
Independent Practice



Login to your YSC
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the timed quiz
entitled
3D Rotation 1

Type 3. Identical Shapes

Which of the 4 figures presented (A, B, C or D) is identical to the first?



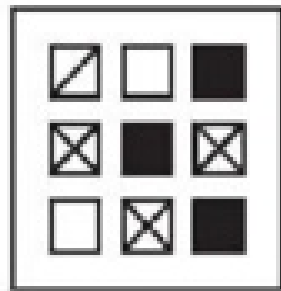
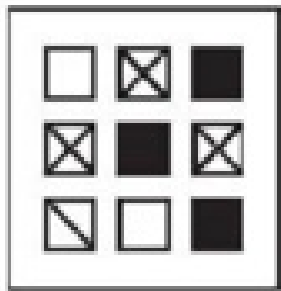
You will notice that the only shape from the 4 presented (A, B, C or D), shape A is identical to the first one when rotated either way.

Guided Practice

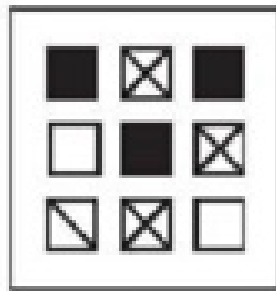


Type 3. Identical Shapes

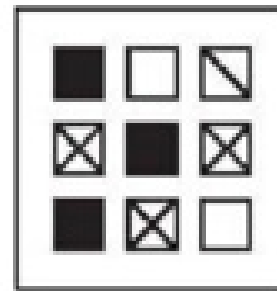
Q1. Which of the 4 figures presented (A, B, C or D) is identical to the first



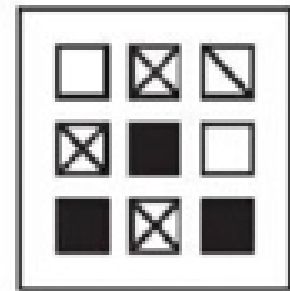
A



B



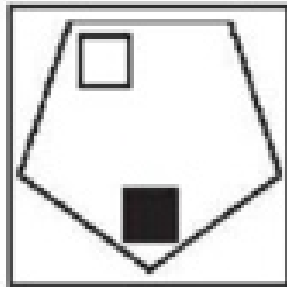
C



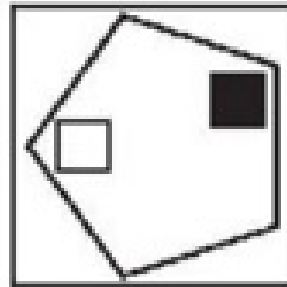
D

Type 3. Identical Shapes

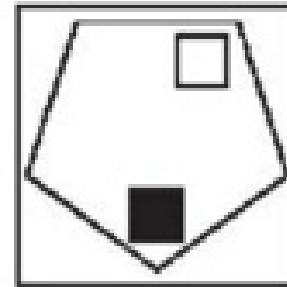
2



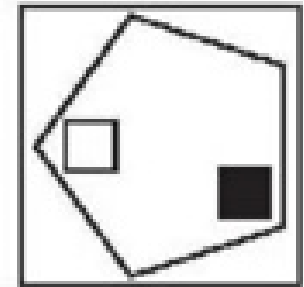
A



B

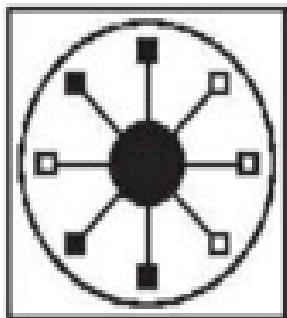
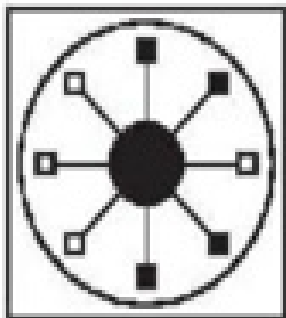


C

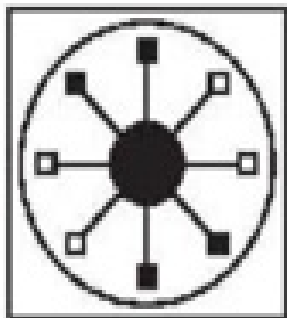


D

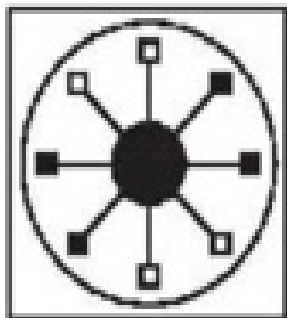
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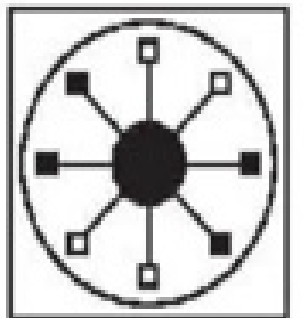
A



B



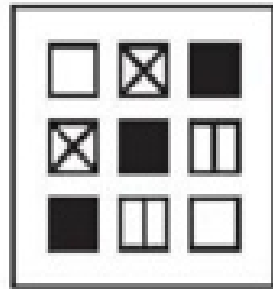
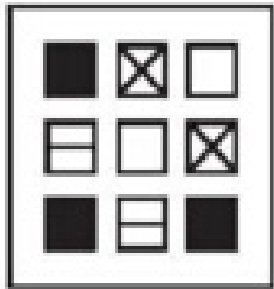
C



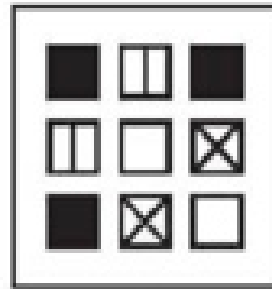
D

Type 3. Identical Shapes

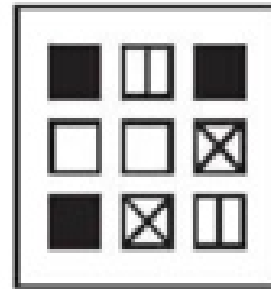
4



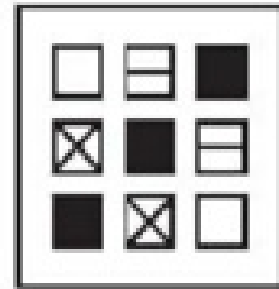
A



B

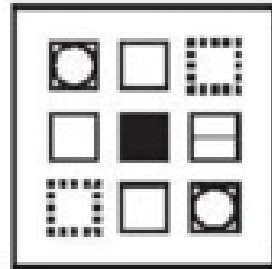
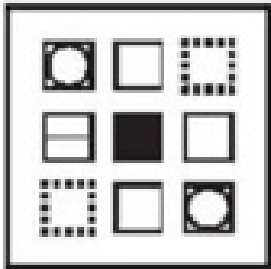


C

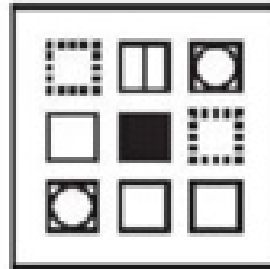


D

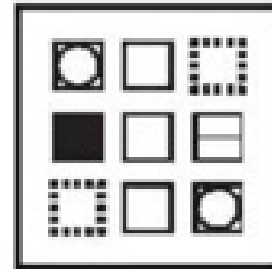
5



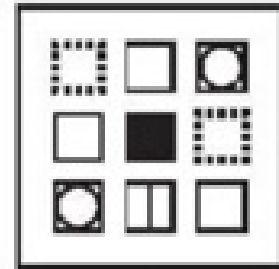
A



B

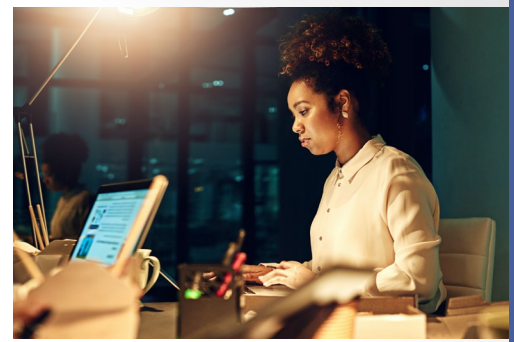


C



D

Independent Practice



Login to your YSC
Dashboard and do
the timed quiz
entitled
Identical Shapes 1