

Enlightenment Training & Geometry Learning Games

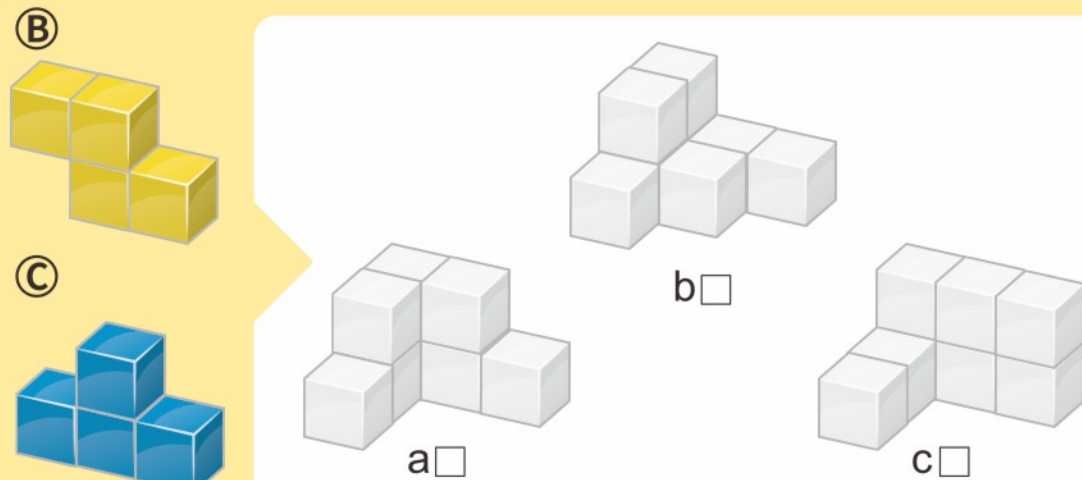
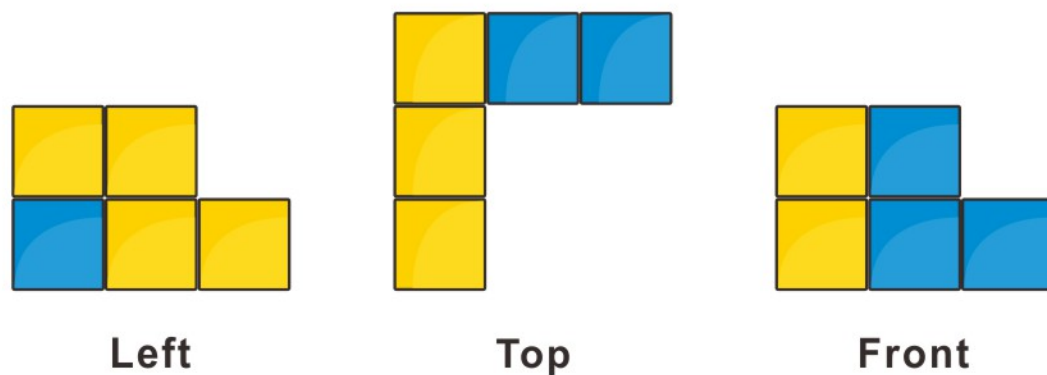


Please retain this instruction book for future reference.

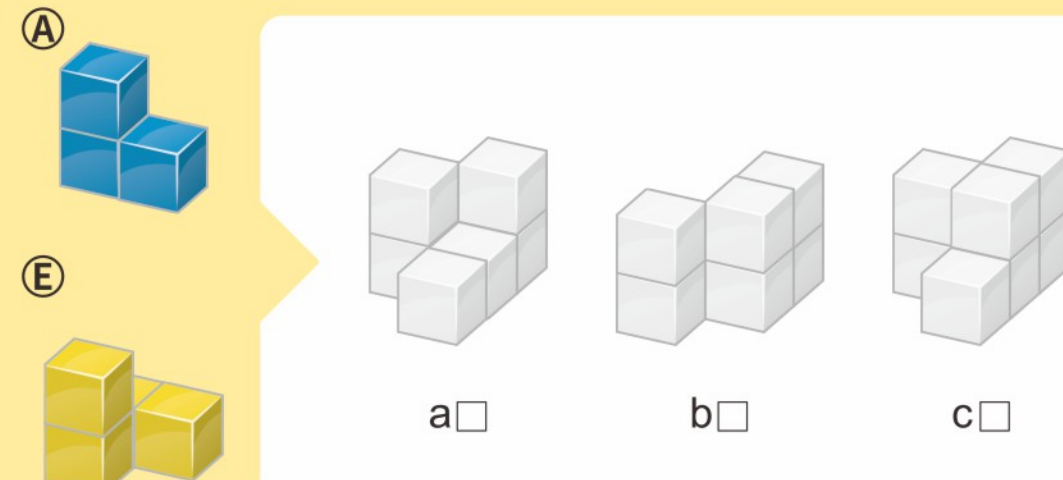
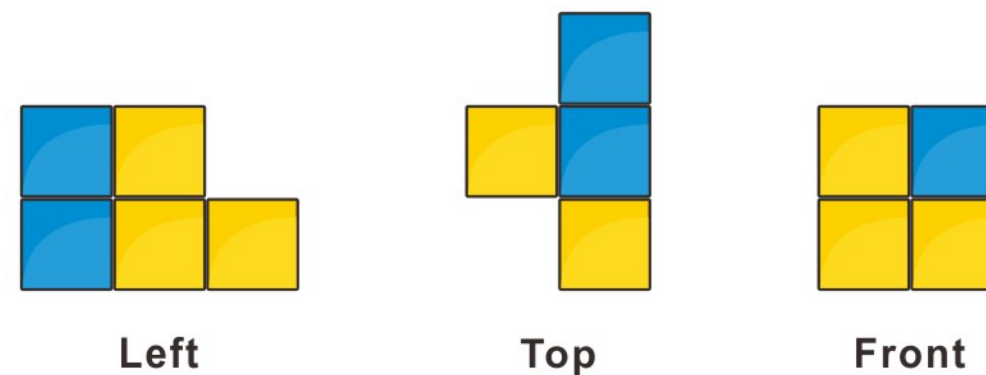
**NAUGHTY
ASTRO BUDDIES**



5. “Left”, “Top” and “Front” are the shapes after observed. Please use module B and module C to build a real object according to the three views and draw a “√” in the “□” below the correct answer.



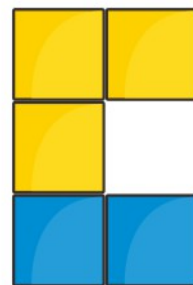
6. “Left”, “Top” and “Front” are the shapes after observed. Please use module A and module E to build a real object according to the three views and draw a “√” in the “□” below the correct answer.



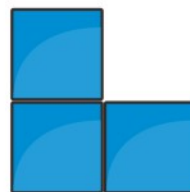
7. "Left", "Top" and "Front" are the shapes after observed. Please use module F and module G to build a real object according to the three views and draw a "√" in the "□" below the correct answer.



Left



Top



Front

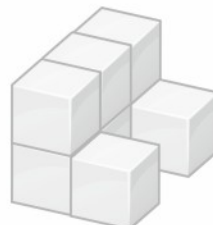
⑥



⑦



a□

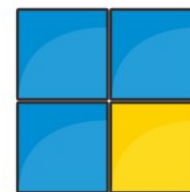


b□



c□

8. "Left", "Top" and "Front" are the shapes after observed. Please use module A and module G to build a real object according to the three views and draw a "√" in the "□" below the correct answer.



Left



Top

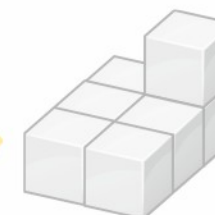


Front

⑧



⑨



a□



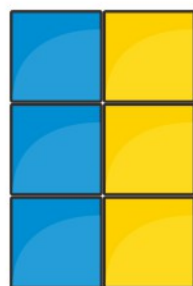
b□



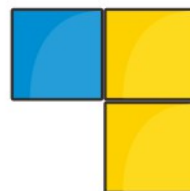
c□



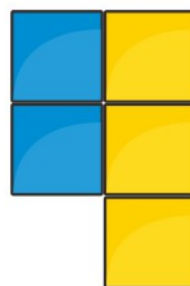
9. "Left", "Top" and "Front" are the shapes after observed. Please use module B and module D to build a real object according to the three views and draw a "√" in the "□" below the correct answer.



Left

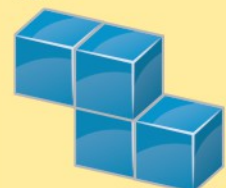


Top



Front

Ⓑ



Ⓓ



a □



b □

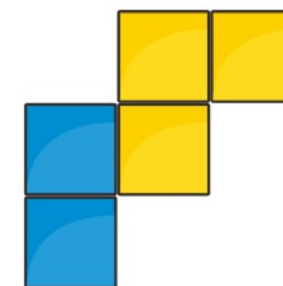


c □

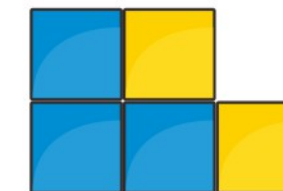
10. "Left", "Top" and "Front" are the shapes after observed. Please use module E and module F to build a real object according to the three views and draw a "√" in the "□" below the correct answer.



Left



Top

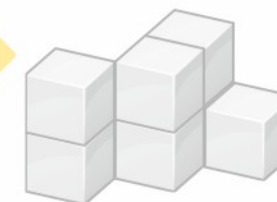


Front

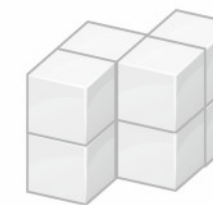
Ⓔ



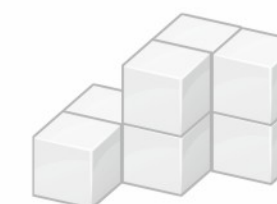
Ⓕ



a □



b □



c □



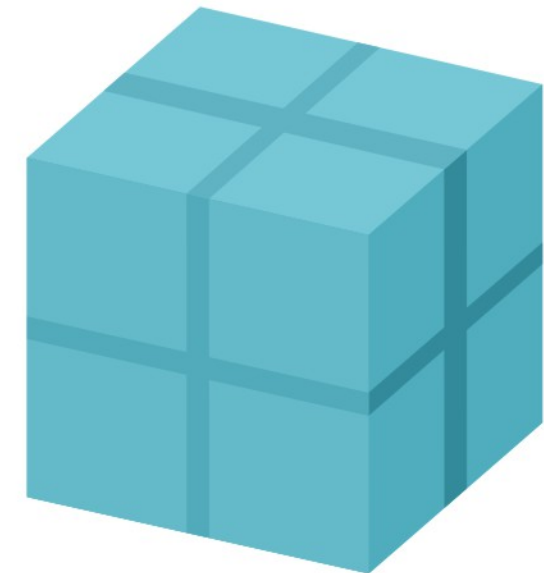
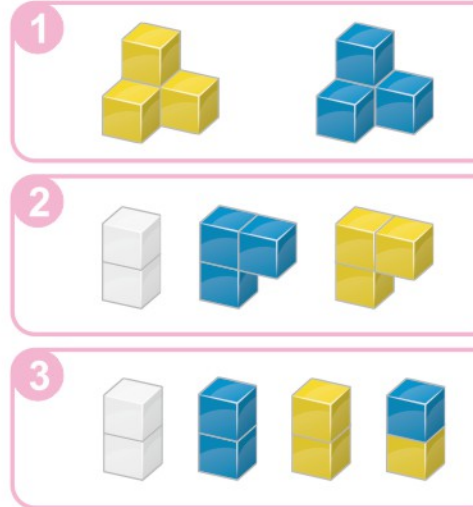
Build a cube

◆ How to play

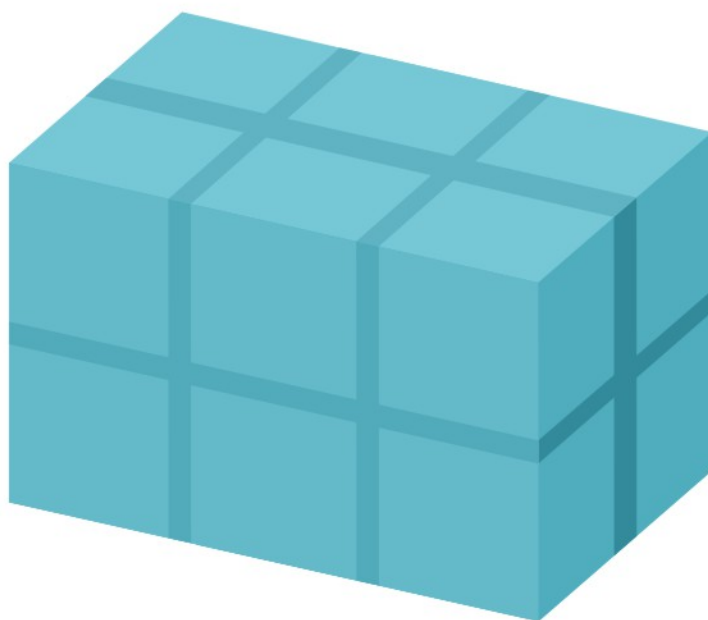
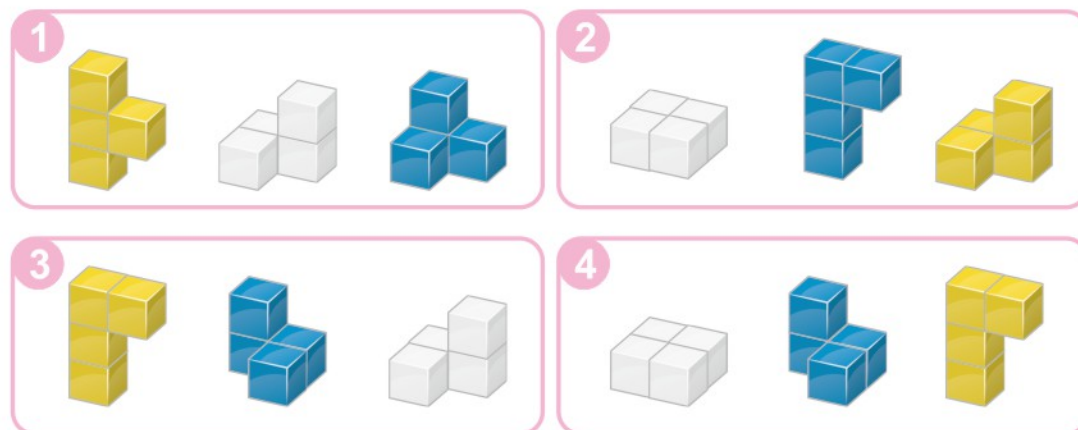
Use different module groups to build a cube. Please note that play it one group by one group.



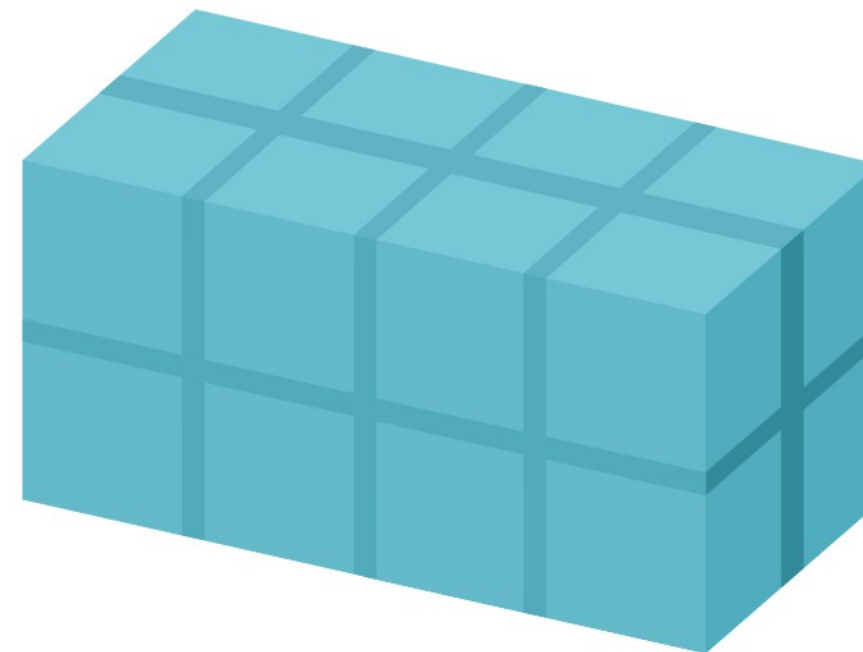
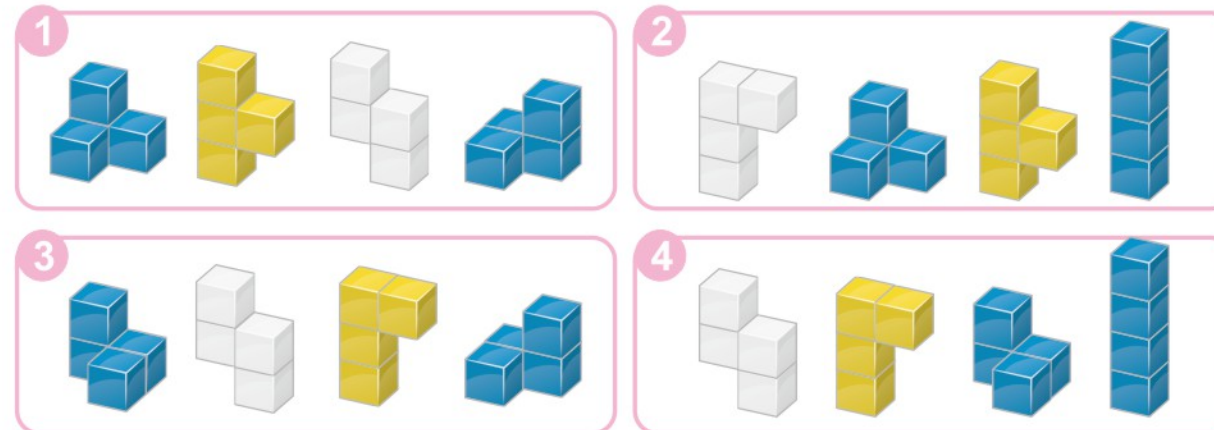
1. Use following 3 module groups to build a 2X2X2 cube.



2. Use following 4 module groups to build a 3X2X2 cube.



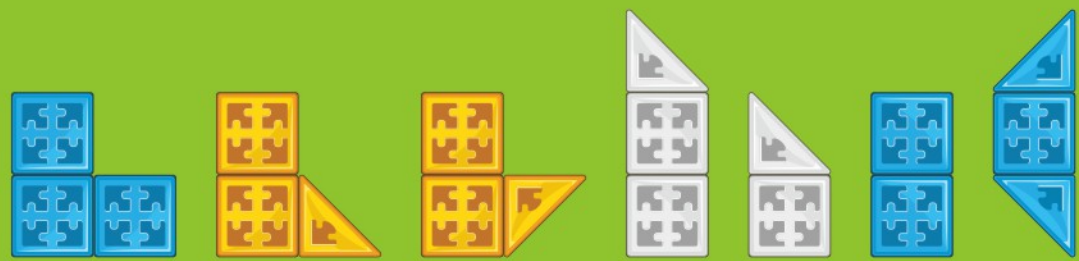
3. Use following 4 module groups to build a 4X2X2 cube.



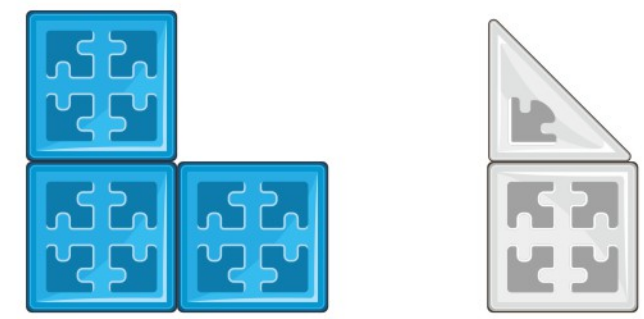
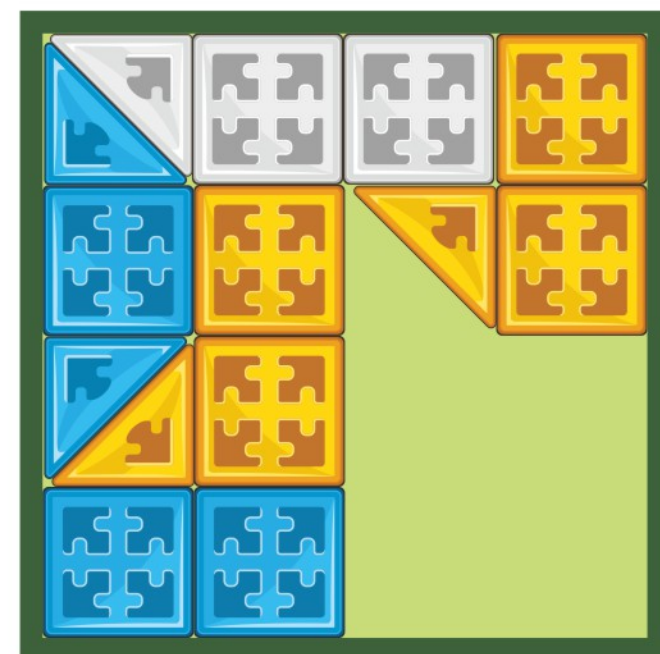
Half square triangle puzzle

◆ How to play

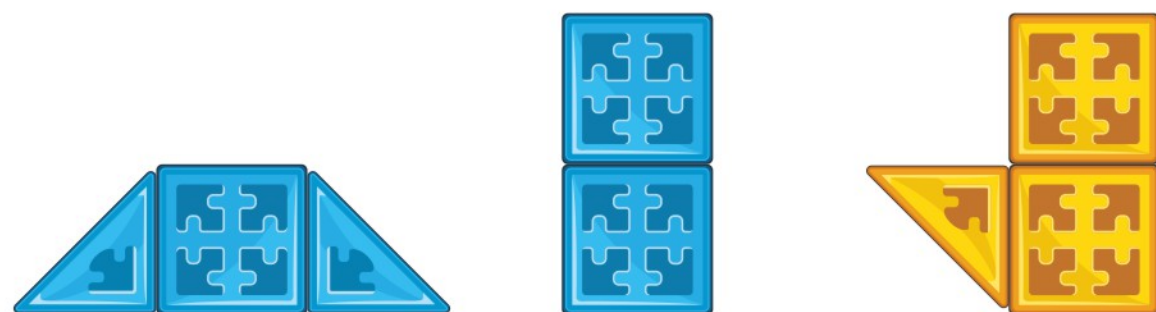
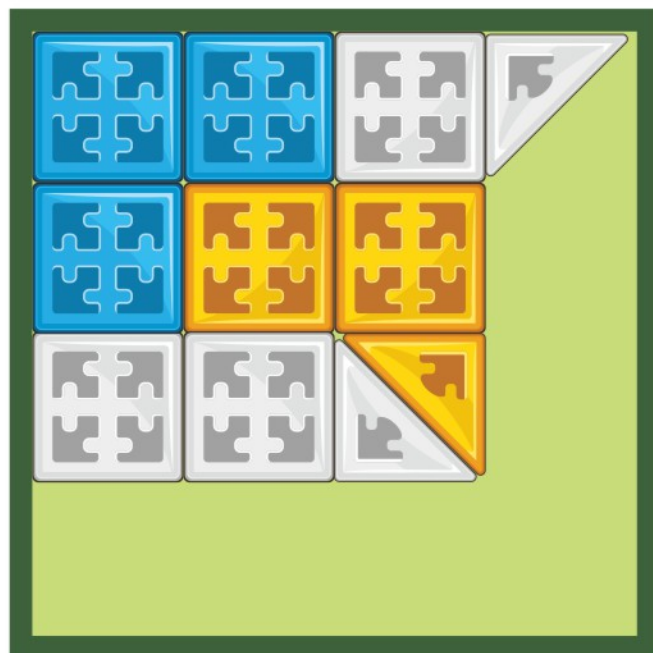
1. Take out building blocks and assemble them as the following 7 modules.
2. There are some modules were filled in the square frame already, and please put the rest modules in the missing part to make it a complete square.



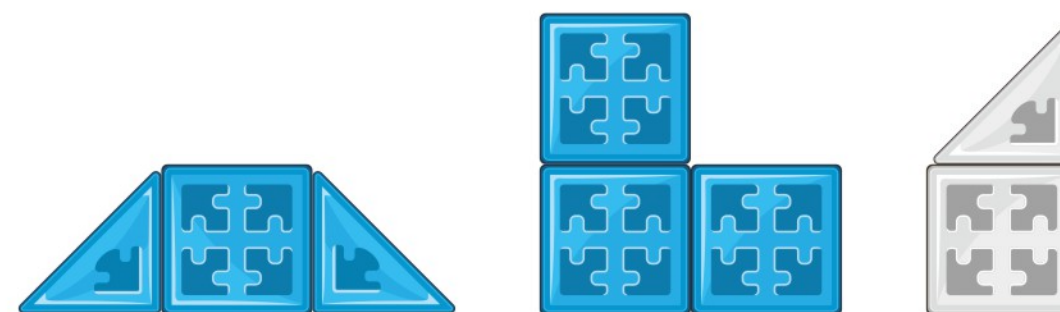
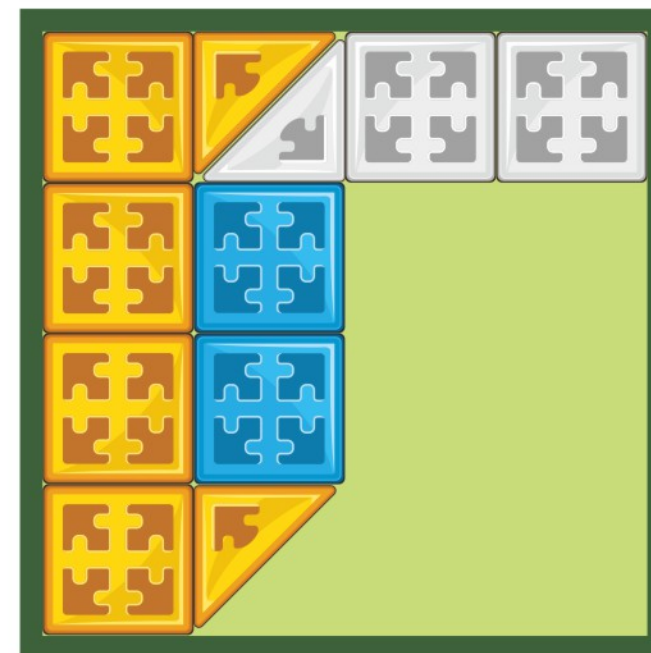
1. Put the rest modules in the missing part to make it a complete square.



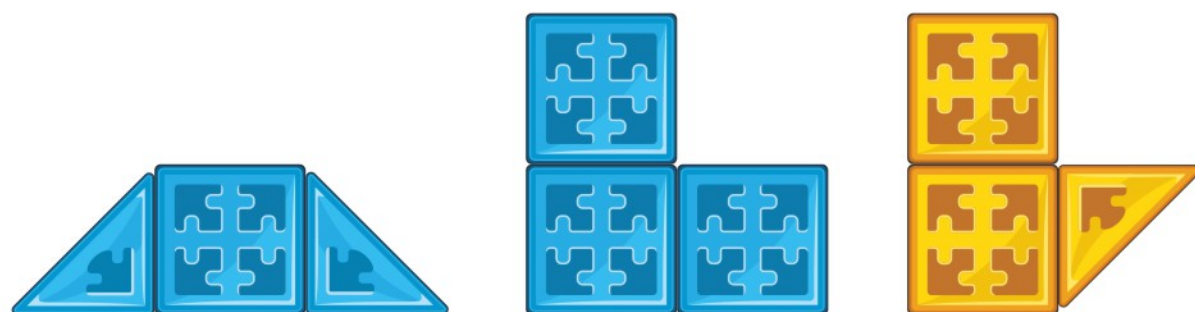
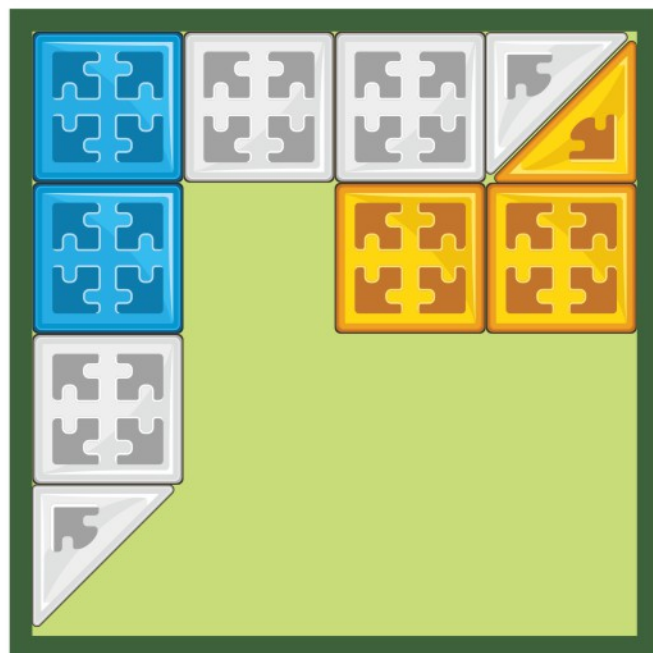
2. Put the rest modules in the missing part to make it a complete square.



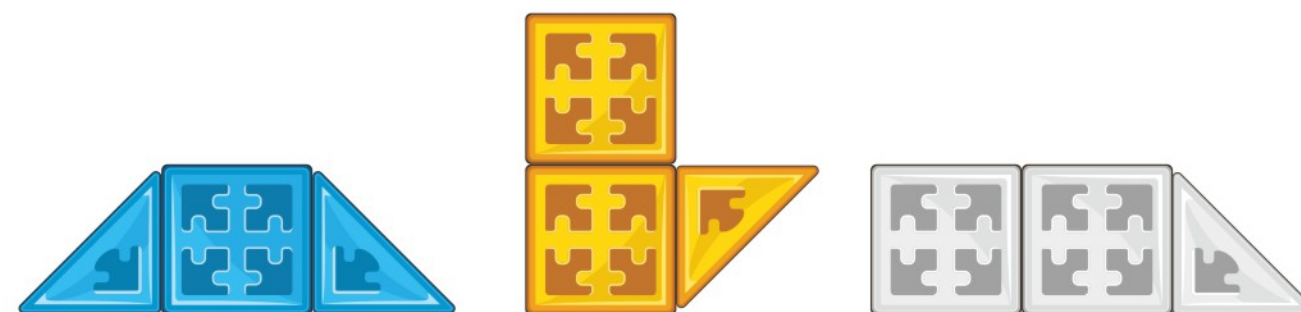
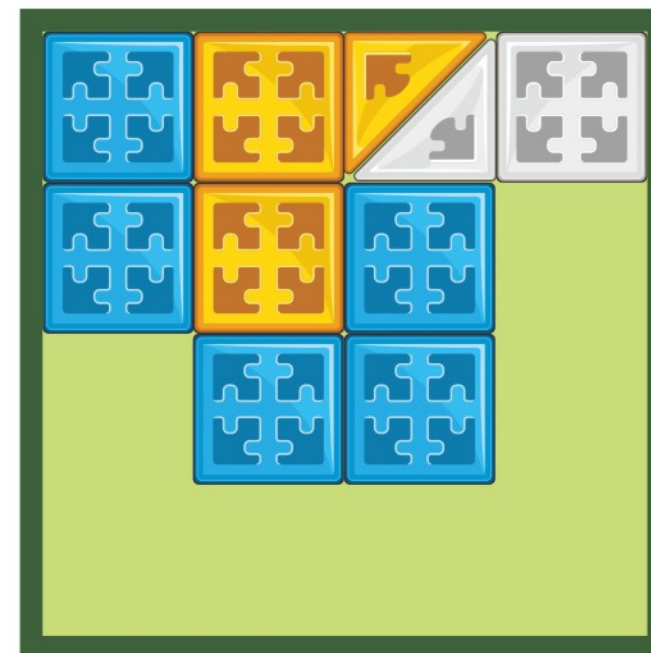
3. Put the rest modules in the missing part to make it a complete square.



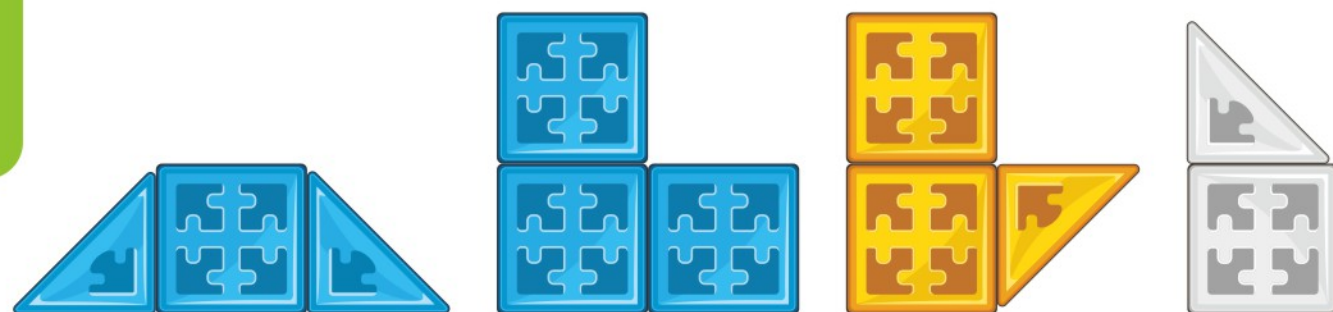
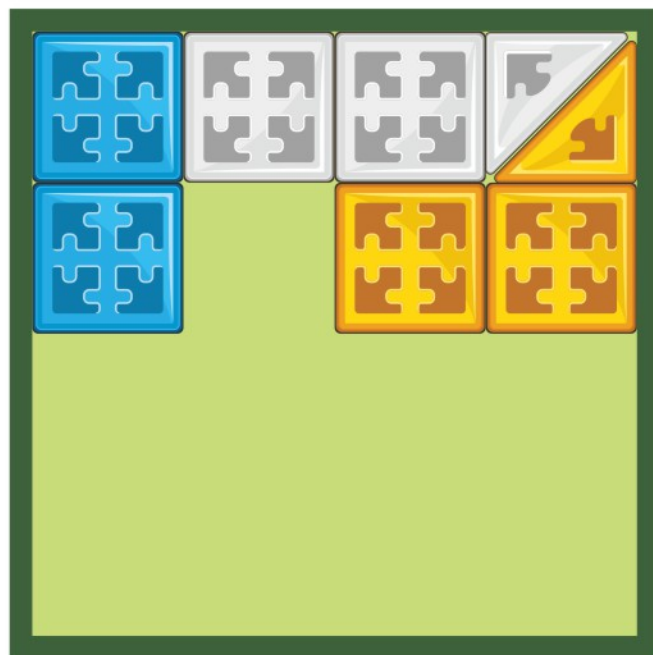
4. Put the rest modules in the missing part to make it a complete square.



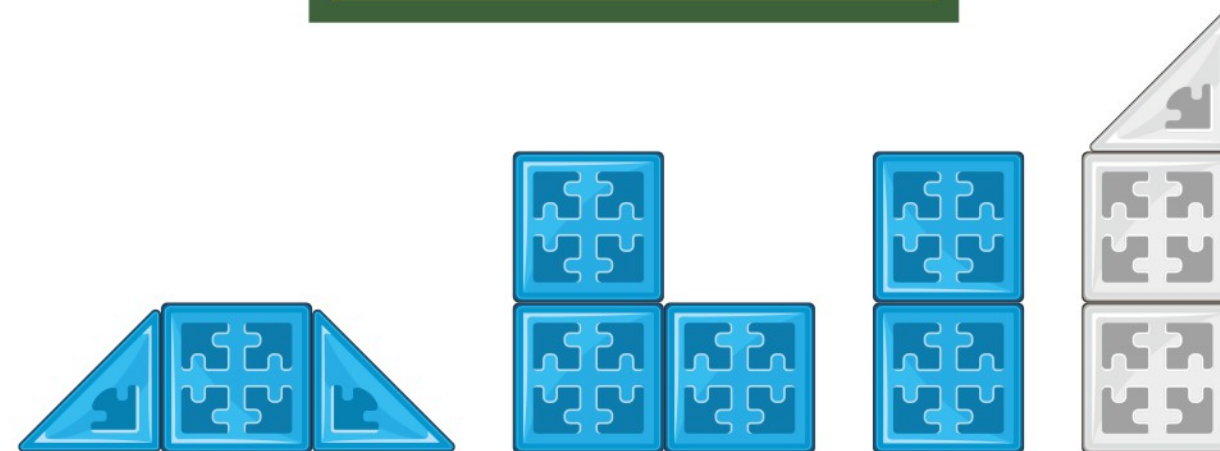
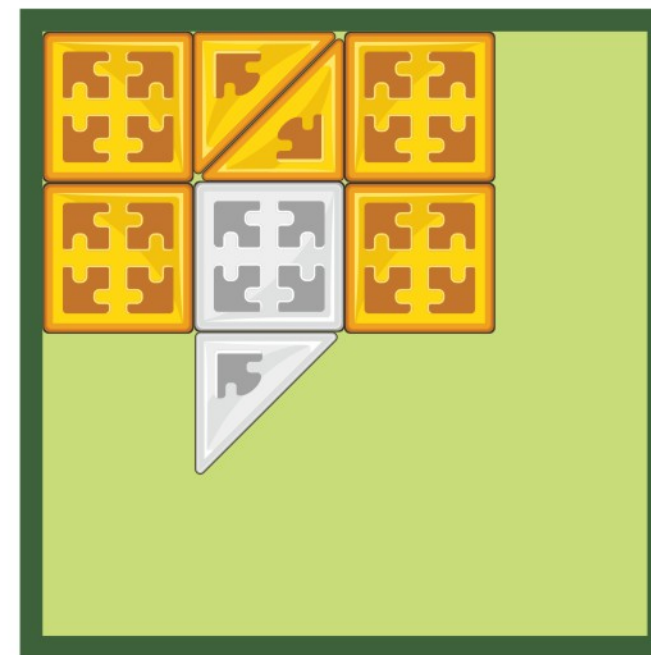
5. Put the rest modules in the missing part to make it a complete square.



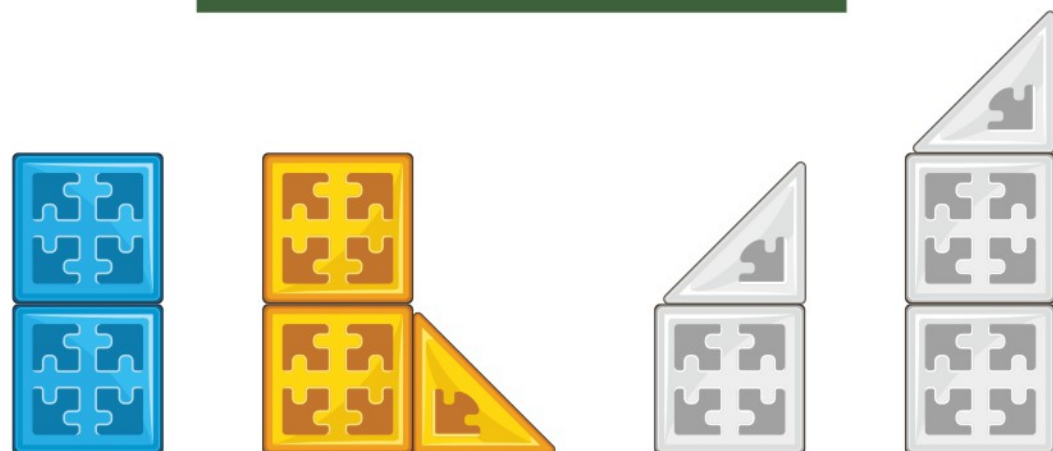
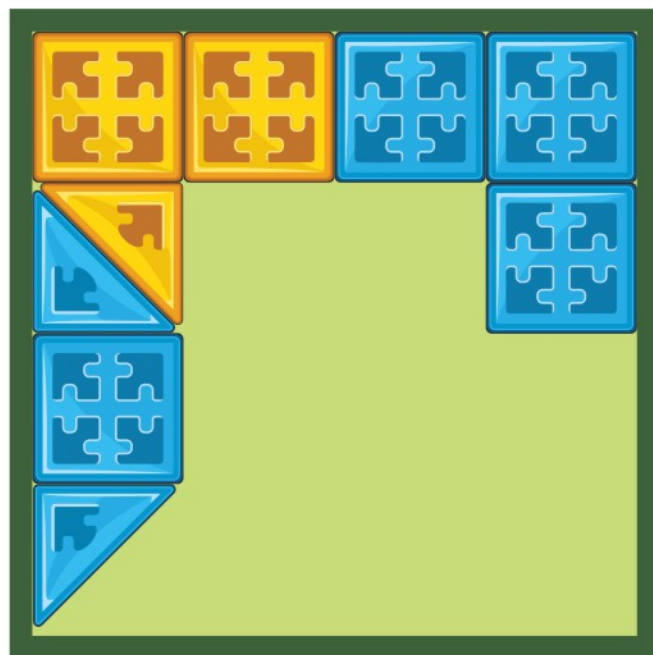
6. Put the rest modules in the missing part to make it a complete square.



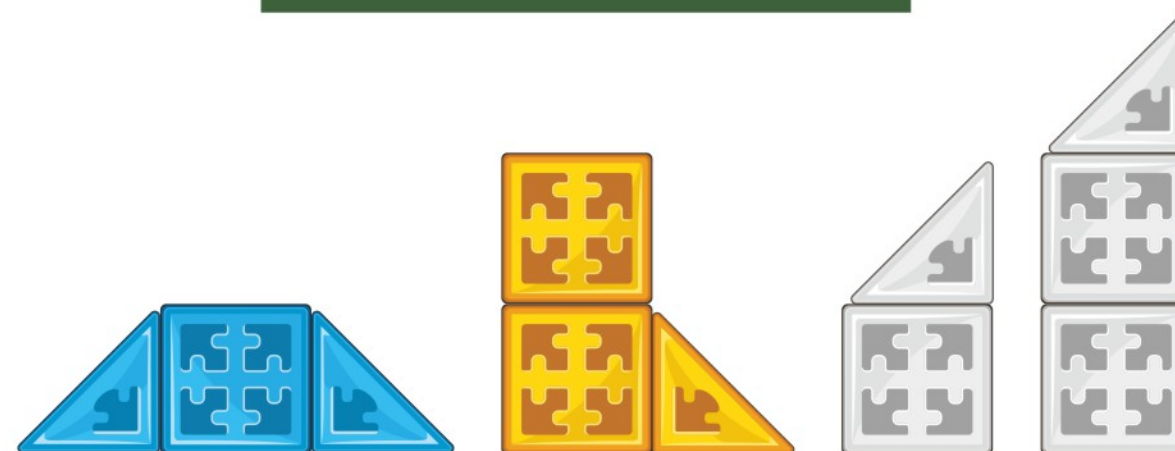
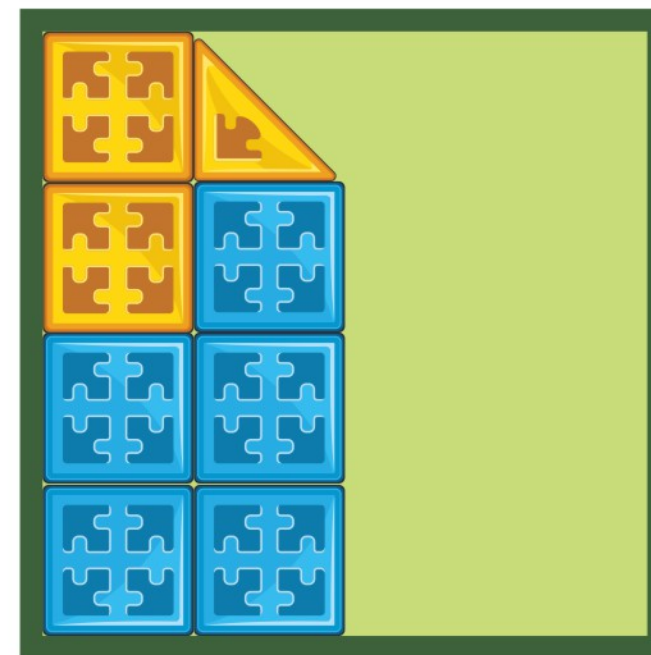
7. Put the rest modules in the missing part to make it a complete square.



8. Put the rest modules in the missing part to make it a complete square.



9. Put the rest modules in the missing part to make it a complete square.



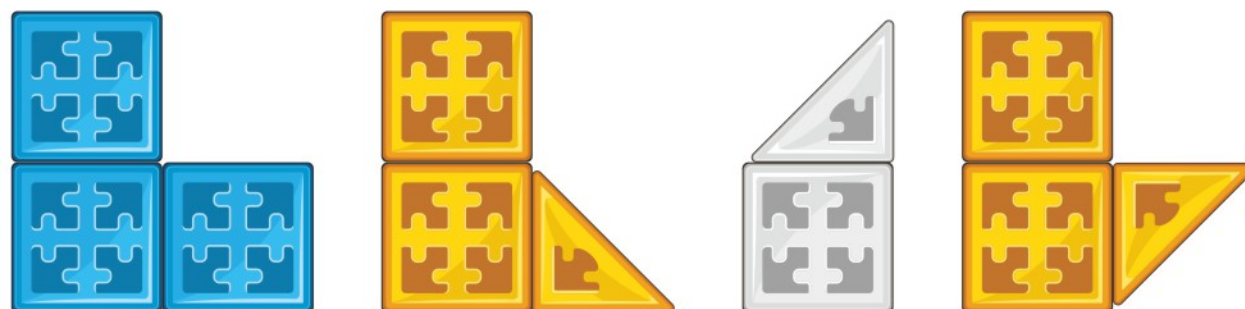
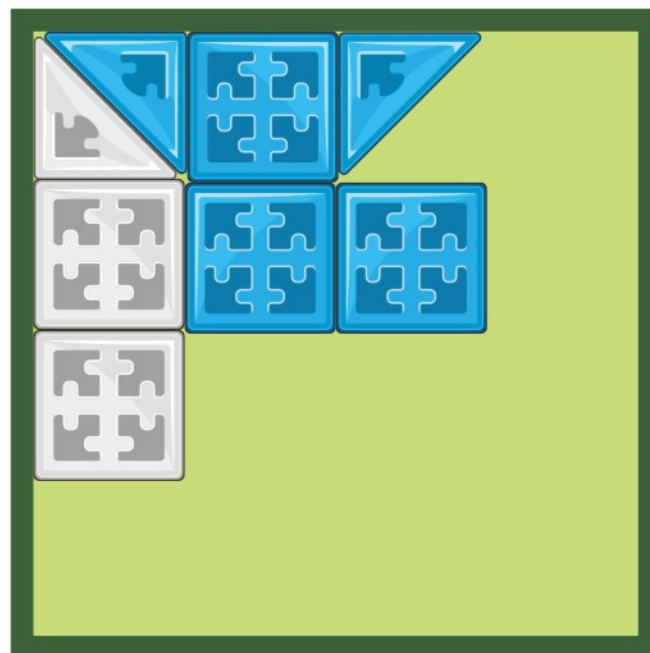


Contents

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Cultivate children's imagination on solid figures and ability for moving and rotating solid blocks freely. This will be good foundation to learn geometry figures in the near future. More answers for one question will help children to develop divergent thinking.

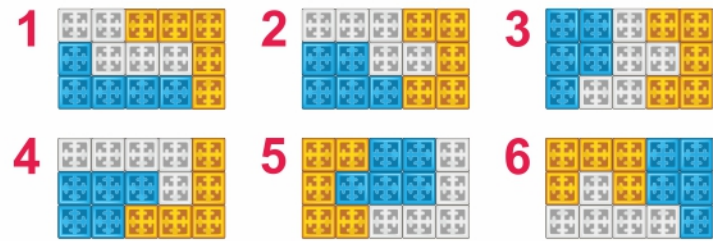
10. Put the rest modules in the missing part to make it a complete square.



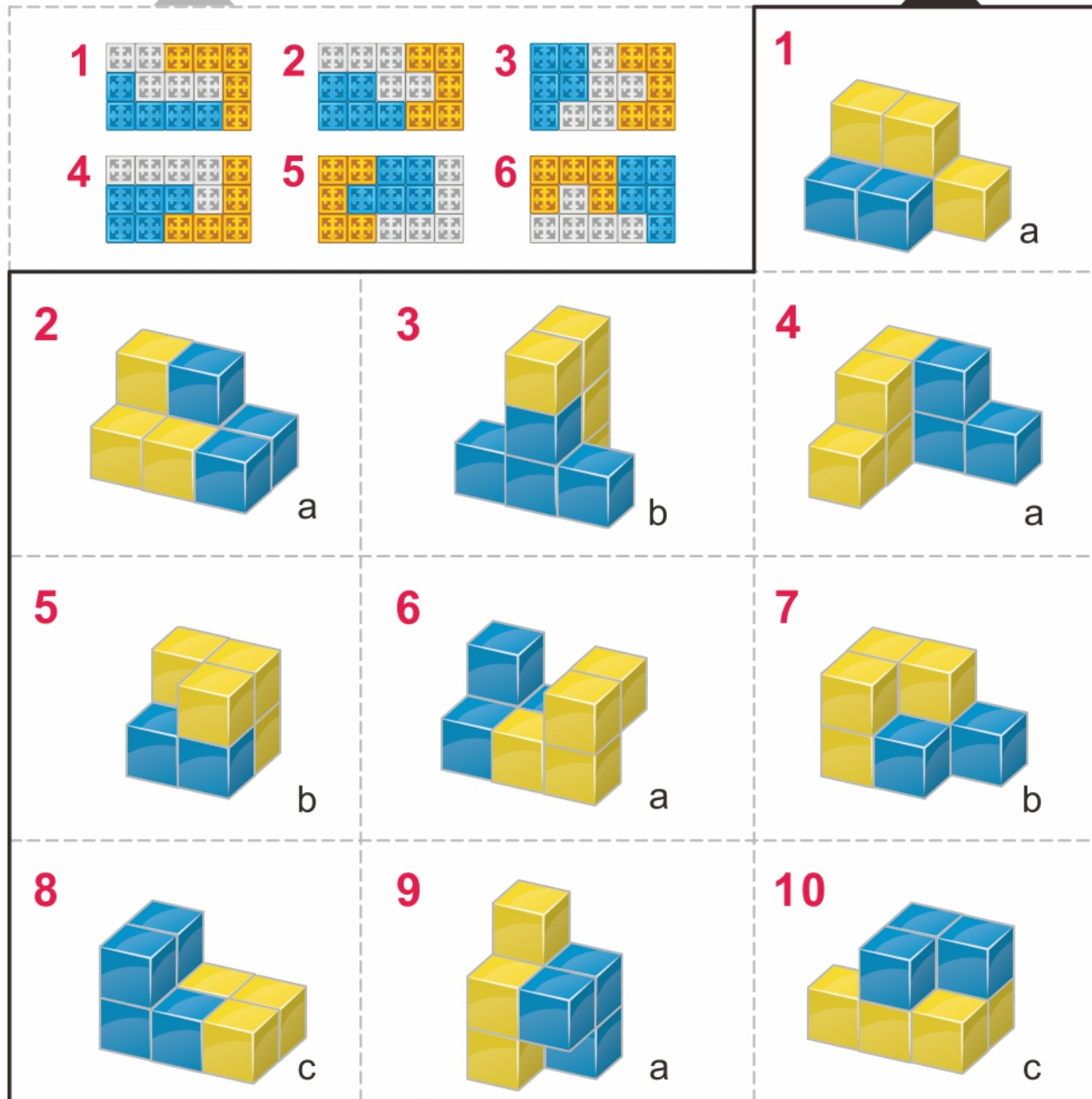
REFERENCE

ANSWERS

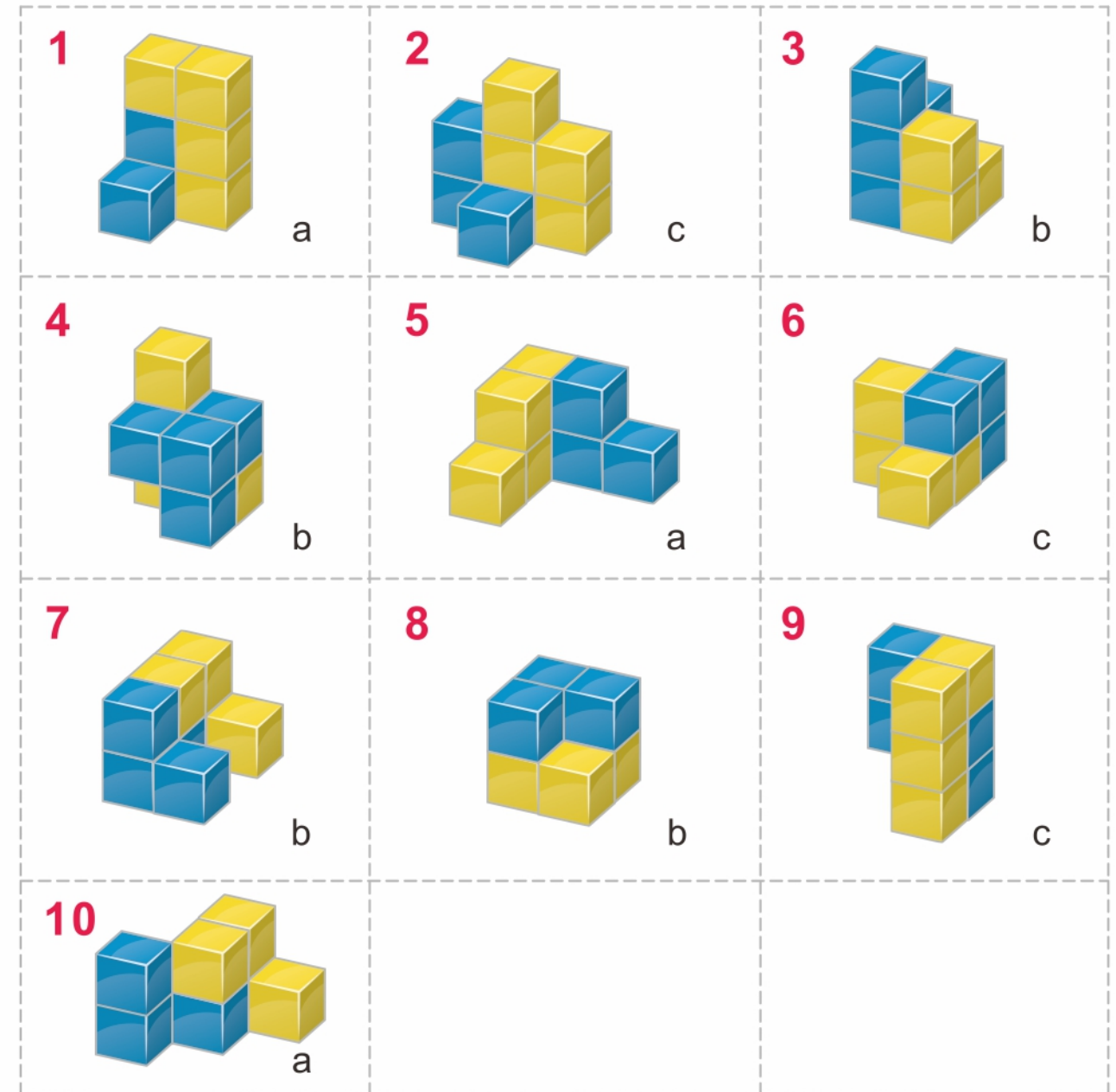
Stuff up rectangle area



Blocks combinations



Observe it from three orientations



Build a cube

2X2X2



1



2



3

3X2X2



1



2



3

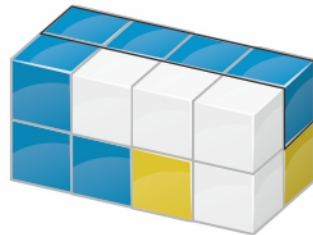


4

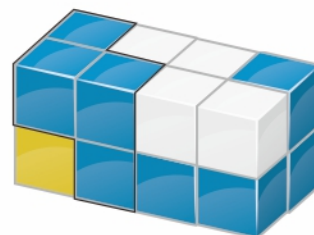
4X2X2



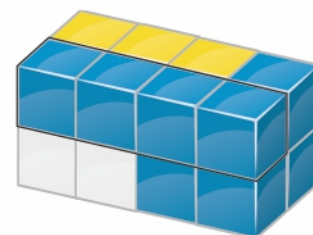
1



2

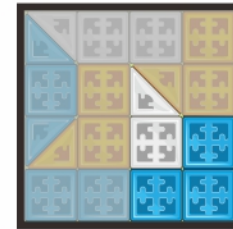


3

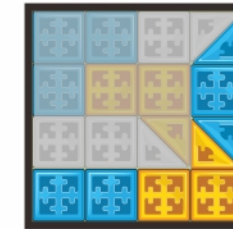


4

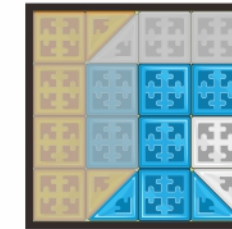
Half square triangle puzzle



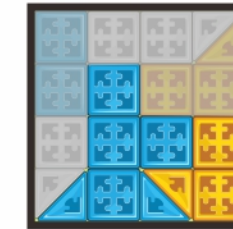
1



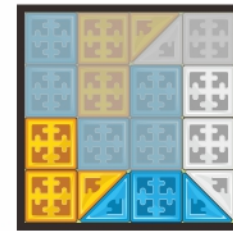
2



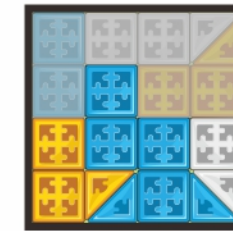
3



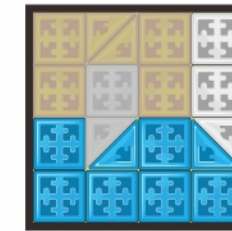
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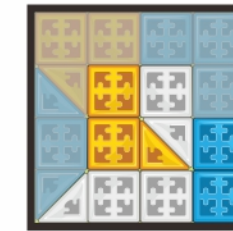
5



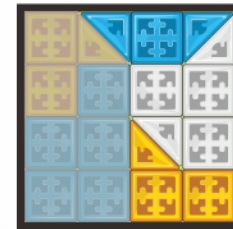
6



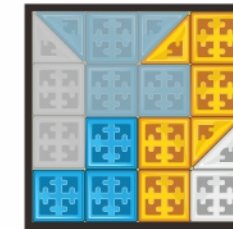
7



8



9

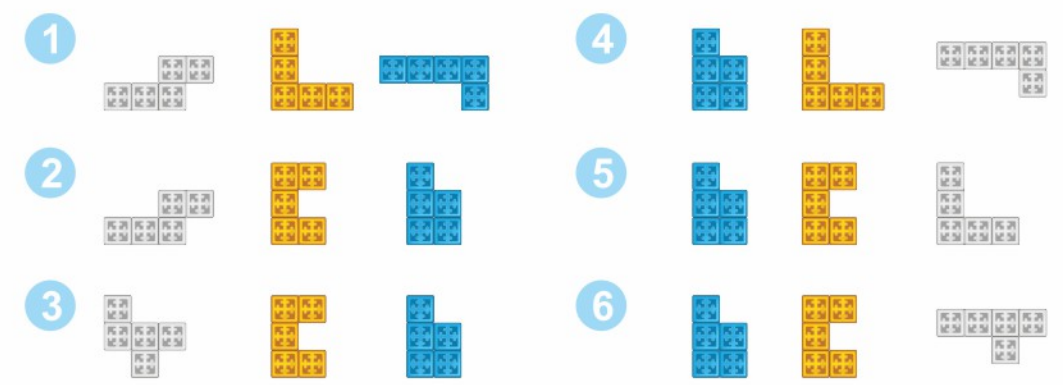
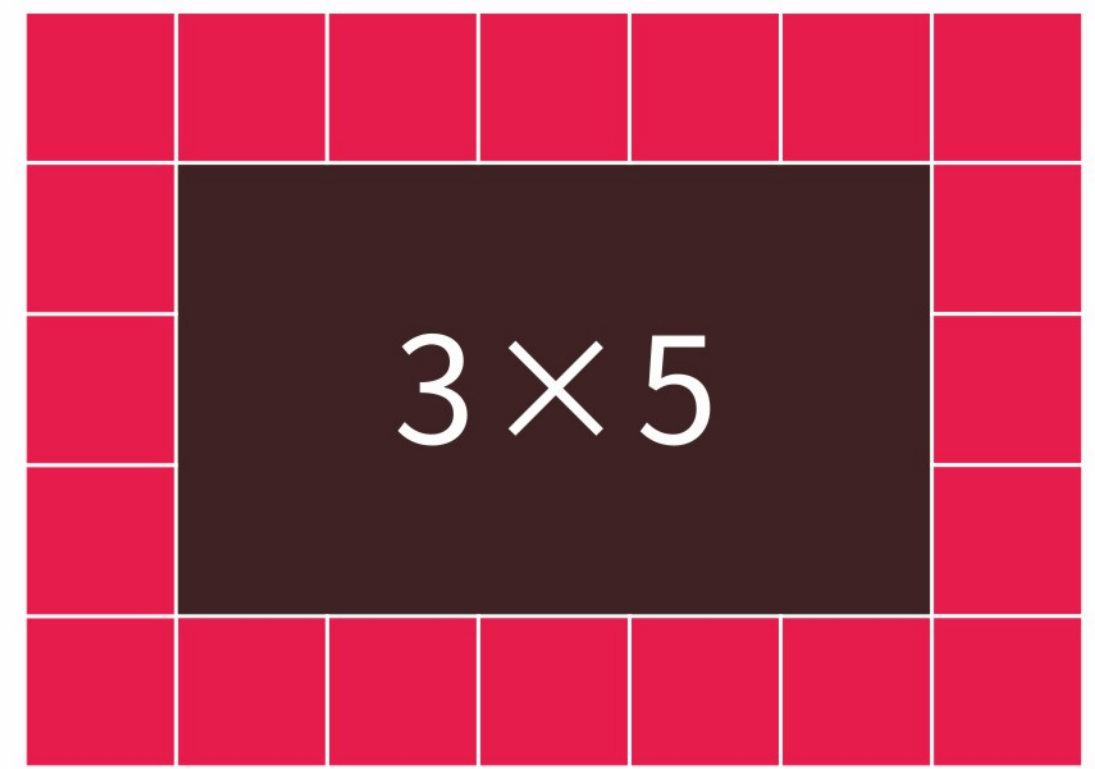


10

Stuff up rectangle area

◆ How to play

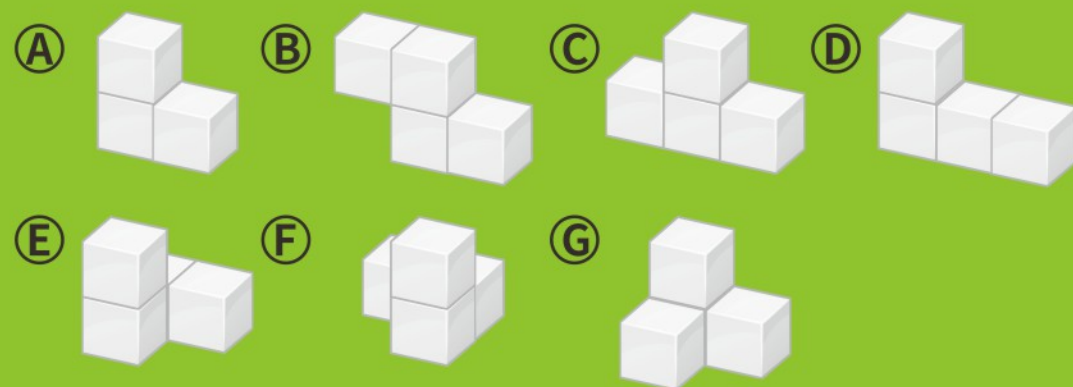
1. Take out blocks and assemble them as following 1 to 6 groups of modules.
2. Fill one group into the 3X5 rectangle game area.
3. All the modules could not be separated.
4. When finished one group, play the next group.



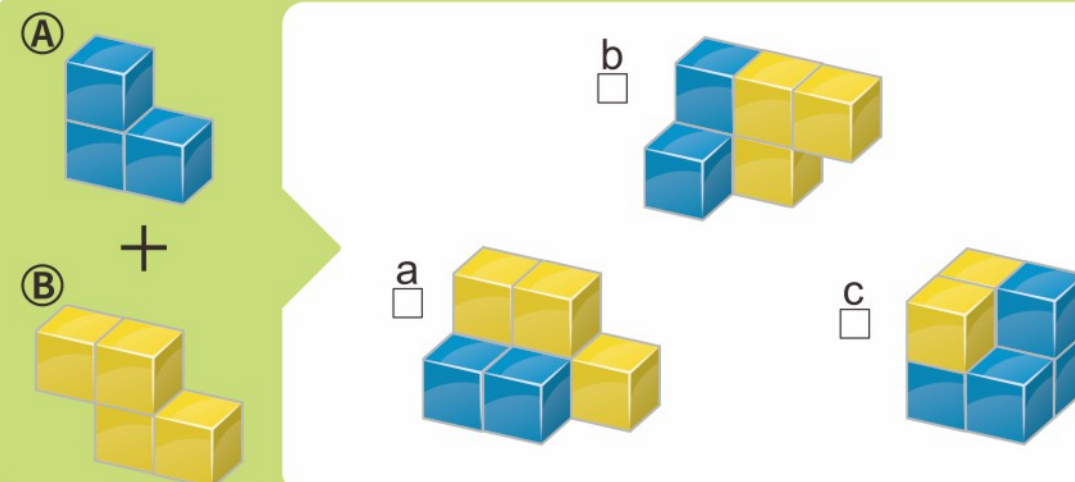
Blocks combinations

◆ How to play

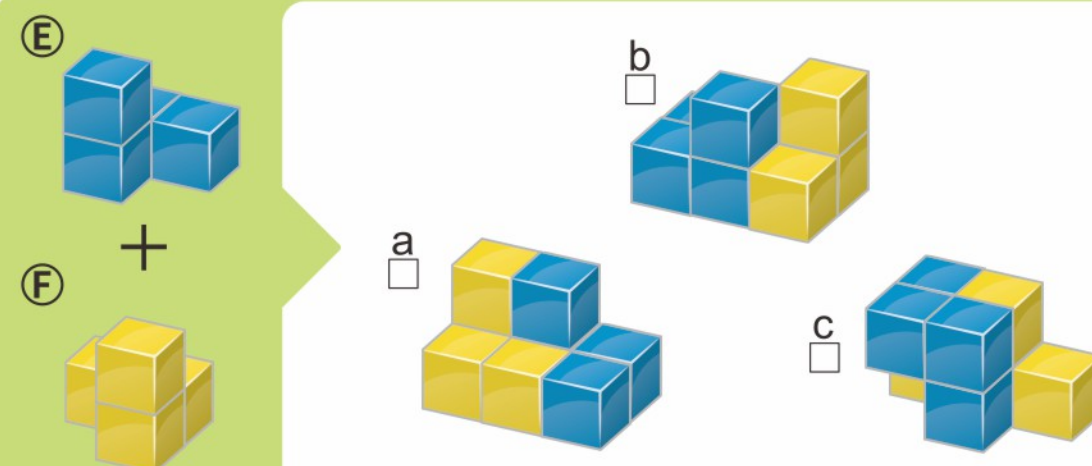
1. This game will use the following 7 modules and players could assemble them with different colors according to each game request.
2. According to each request, select two modules to combine together.
3. Player should find out what it is after two modules combined together?
4. Draw a “√” in the “□” below the correct answer.



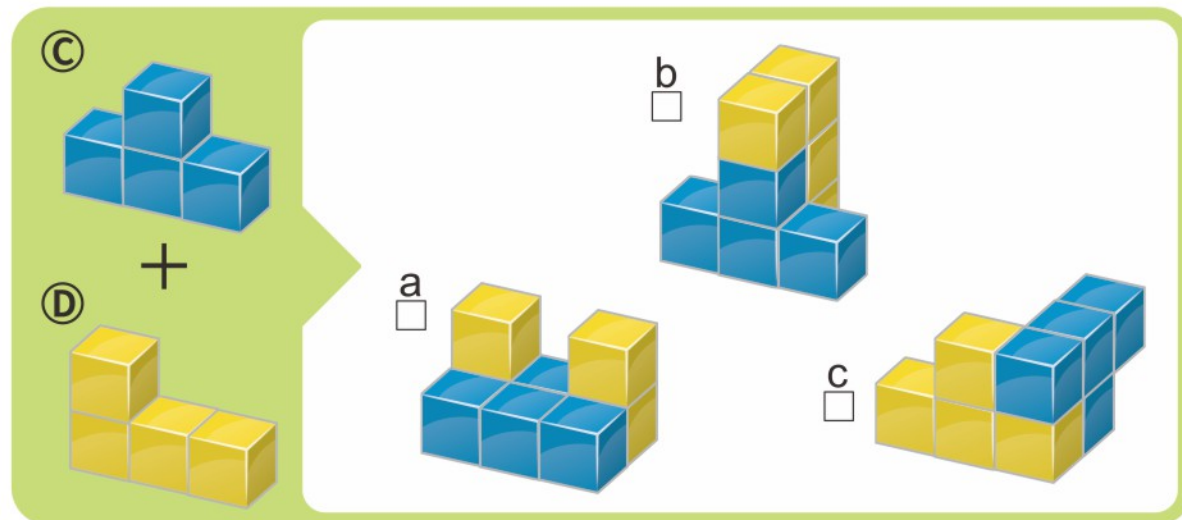
1. Combine A and B modules together. What will you get?



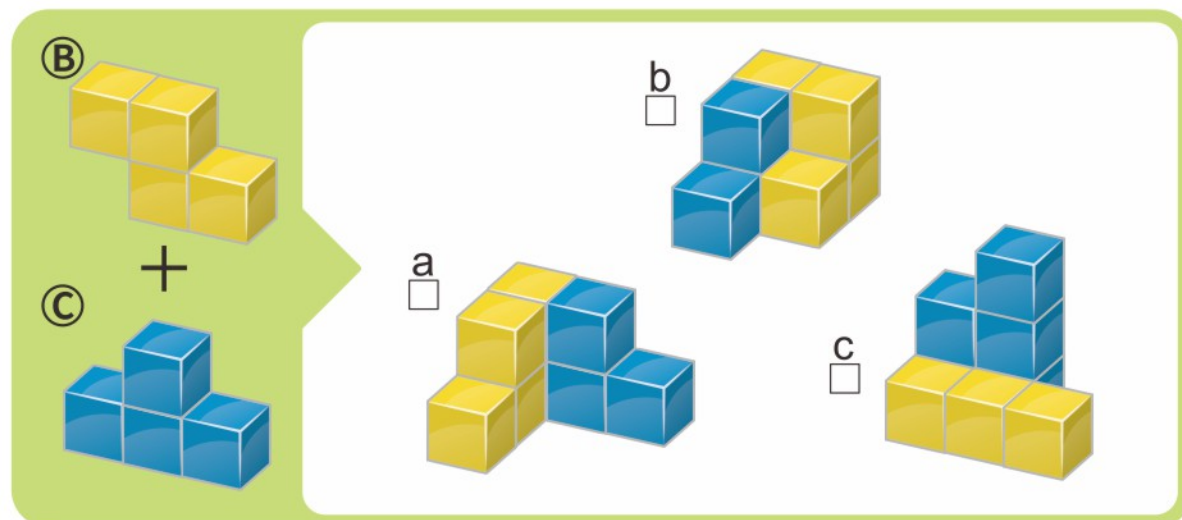
2. Combine E and F modules together. What will you get?



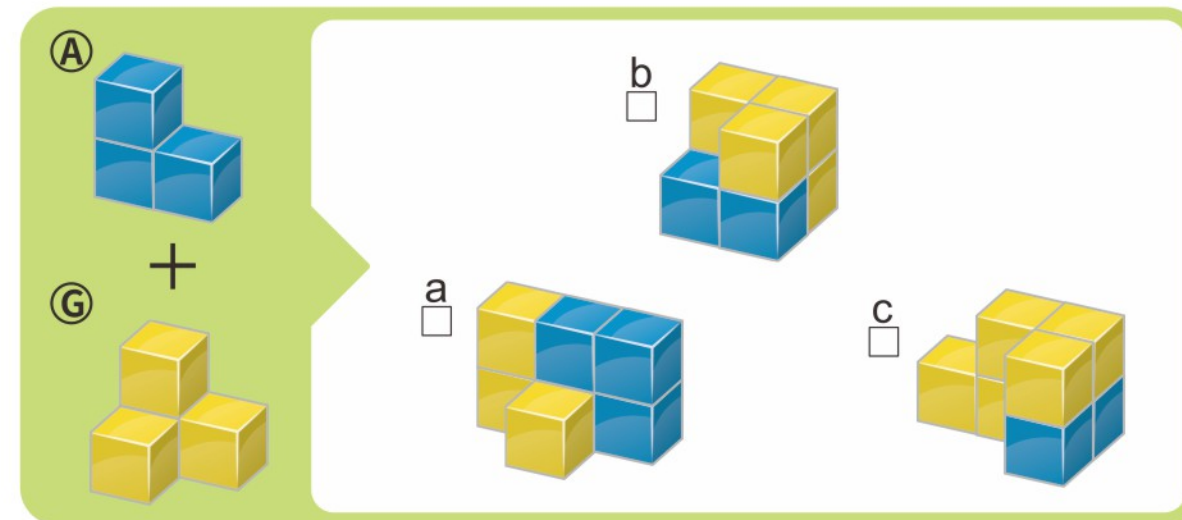
3. Combine C and D modules together. What will you get?



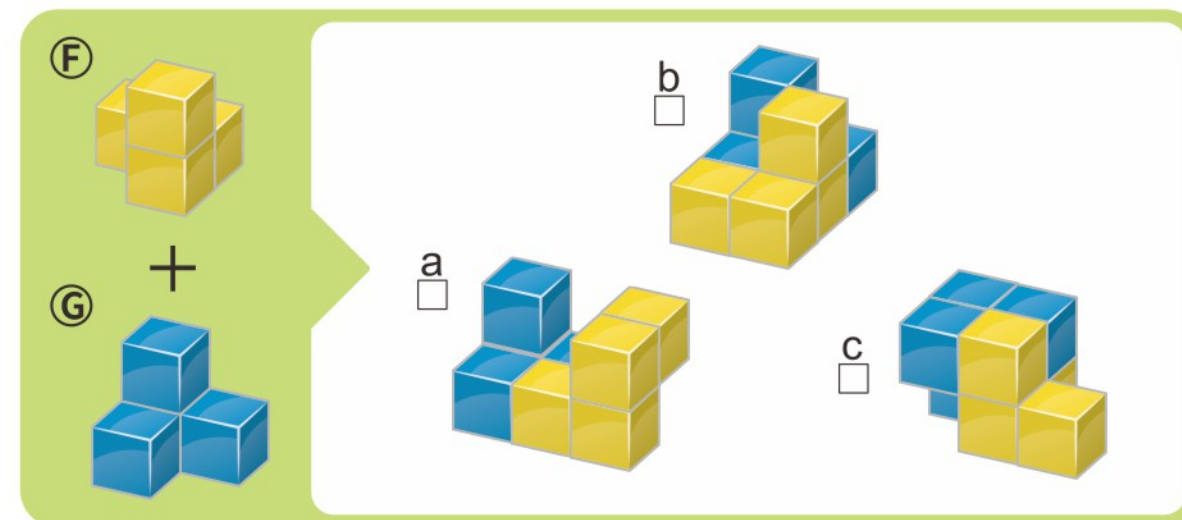
4. Combine B and C modules together. What will you get?



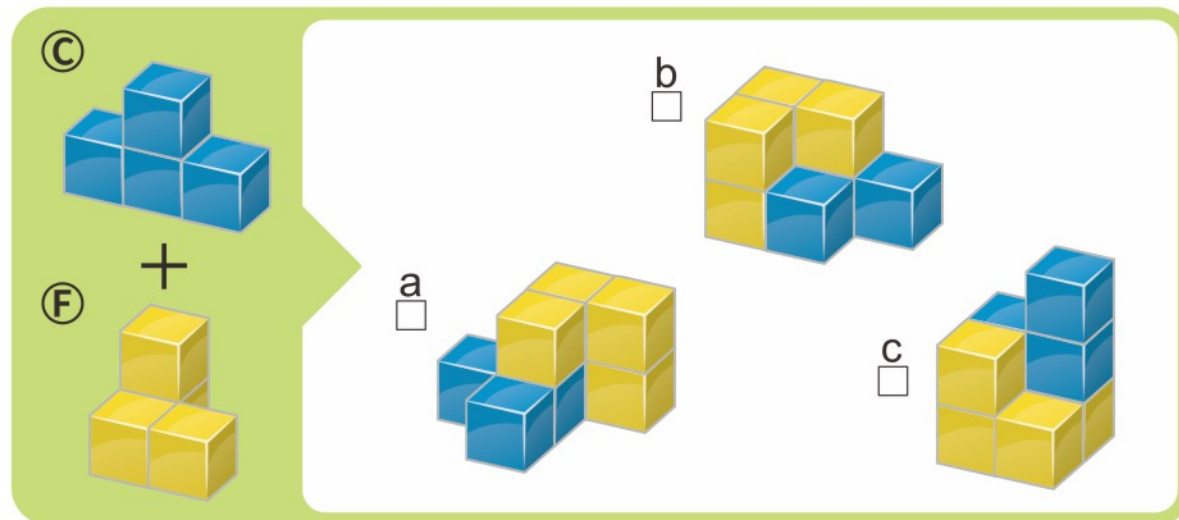
5. Combine A and G modules together. What will you get?



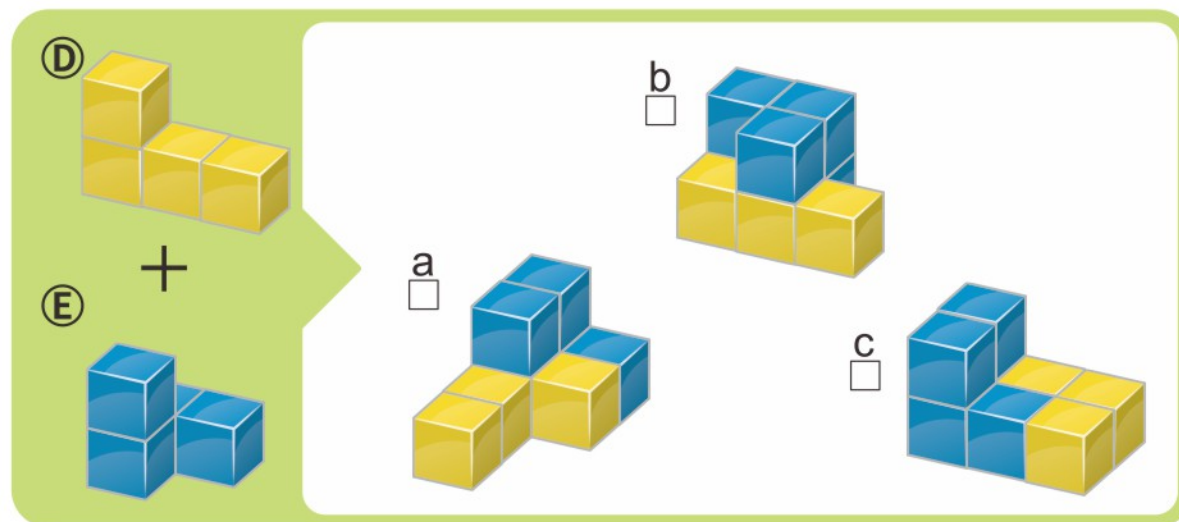
6. Combine F and G modules together. What will you get?



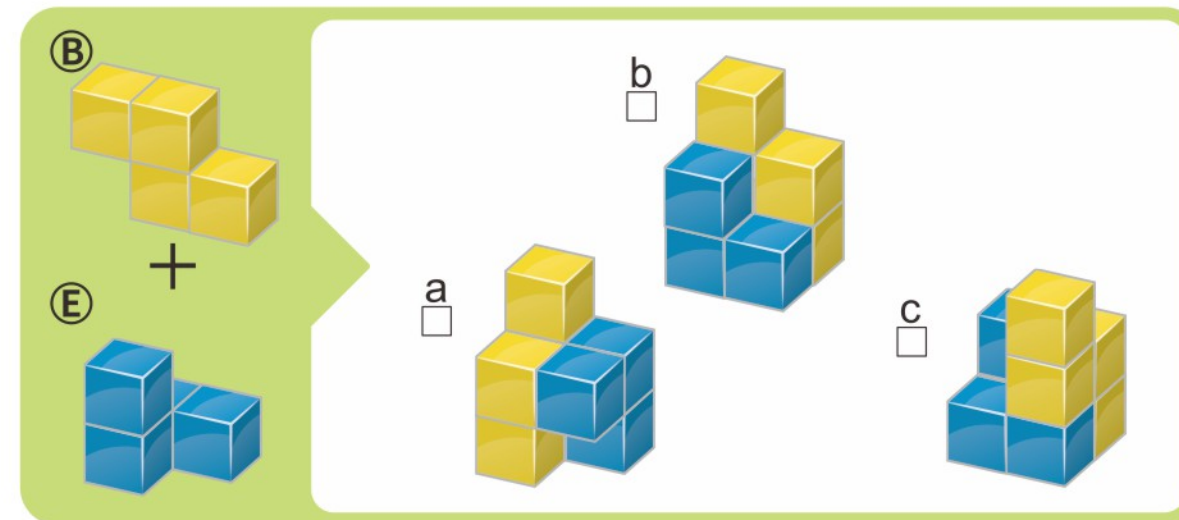
7. Combine C and F modules together. What will you get?



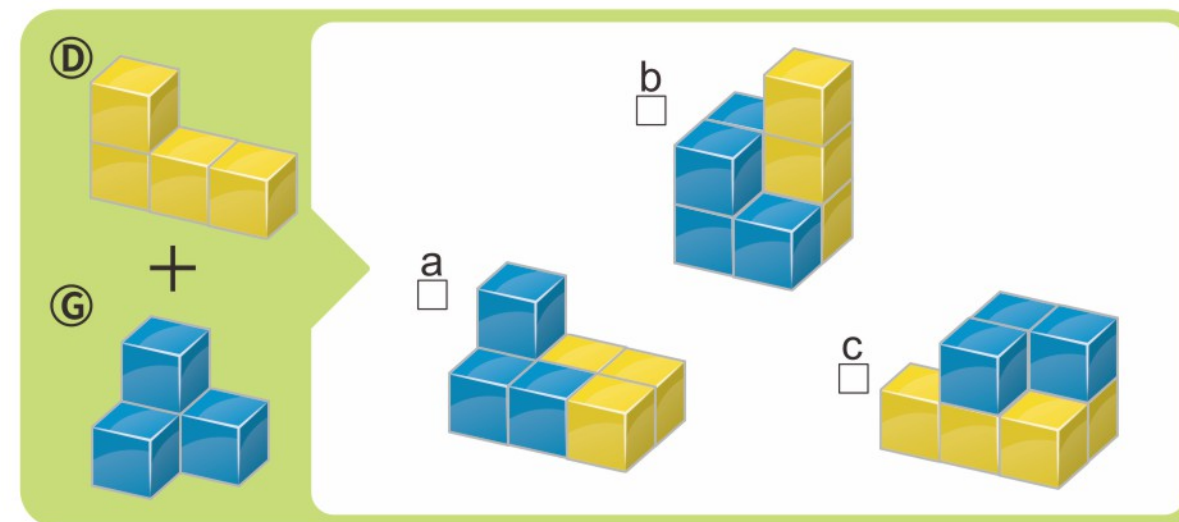
8. Combine D and E modules together. What will you get?



9. Combine B and E modules together. What will you get?



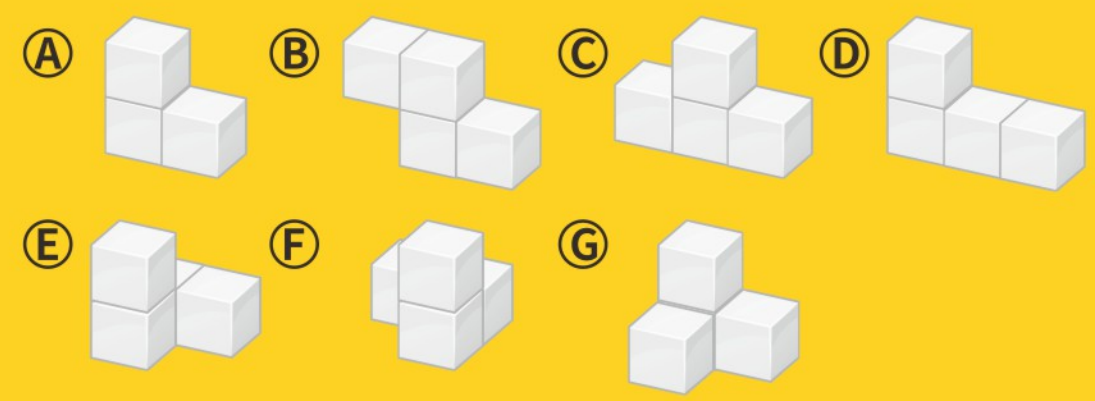
10. Combine D and G modules together. What will you get?



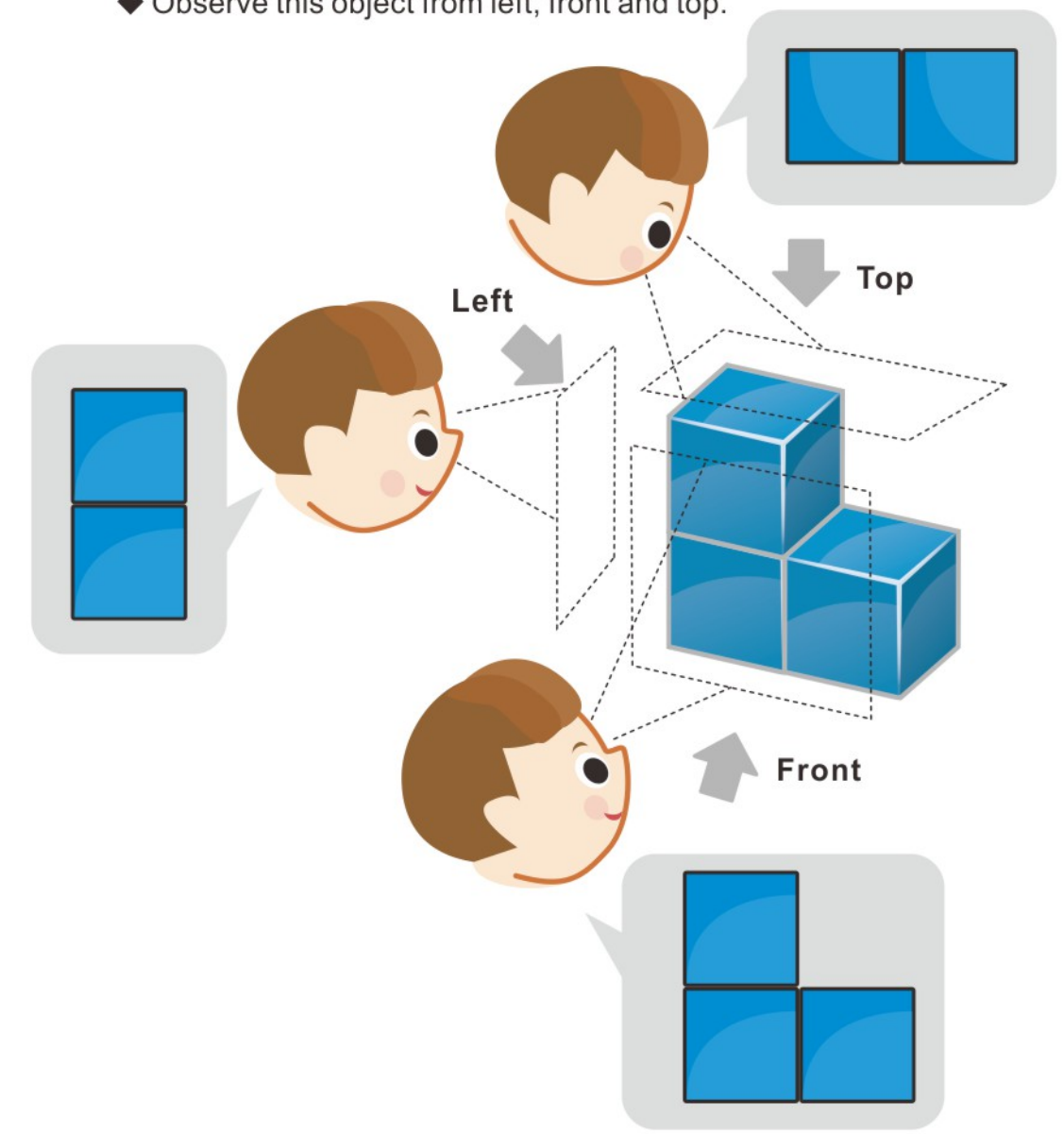
Observe it from three orientations

◆ How to play

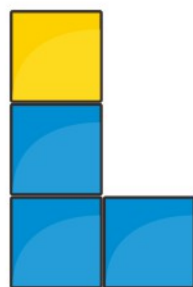
- ◇ Observe a planar figure from left view, front view and top view to speculate the whole structure of a solid object.
- ◇ There are 7 modules for this game. Build the shapes and colors according to each specific game request.



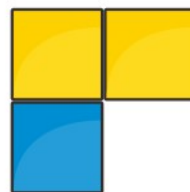
◆ Observe this object from left, front and top.



1. "Left", "Top" and "Front" are the shapes after observed. Please use module A and module D to build a real object according to the three views and draw a "√" in the "□" below the correct answer.



Left



Top



Front

Ⓐ



Ⓓ



a □

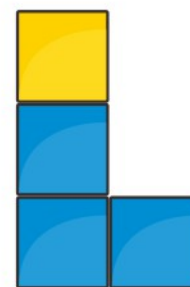


b □

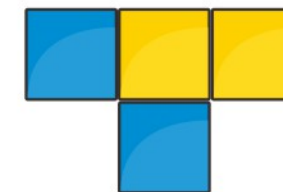


c □

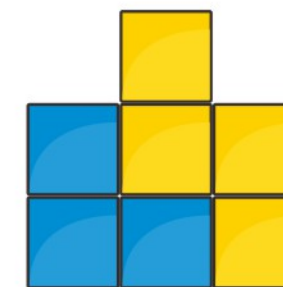
2. "Left", "Top" and "Front" are the shapes after observed. Please use module B and module E to build a real object according to the three views and draw a "√" in the "□" below the correct answer.



Left



Top

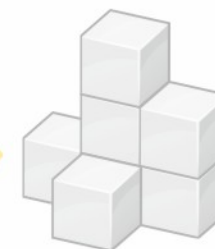


Front

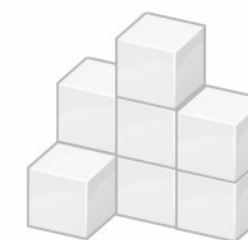
Ⓑ



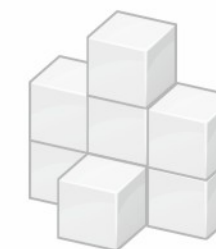
Ⓔ



a □



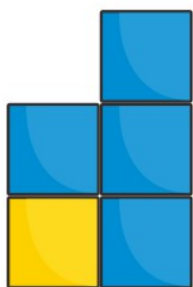
b □



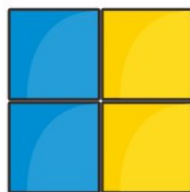
c □



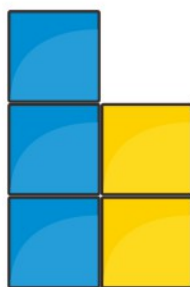
3. "Left", "Top" and "Front" are the shapes after observed. Please use module C and module F to build a real object according to the three views and draw a "√" in the "□" below the correct answer.



Left



Top



Front

C



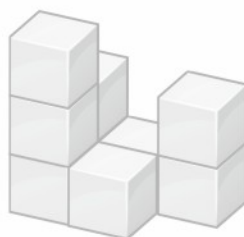
F



a□

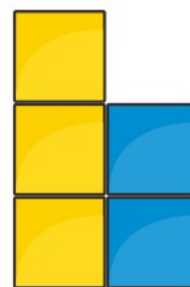


b□



c□

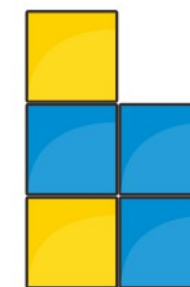
4. "Left", "Top" and "Front" are the shapes after observed. Please use module D and module G to build a real object according to the three views and draw a "√" in the "□" below the correct answer.



Left



Top



Front

D



G



a□



b□



c□

