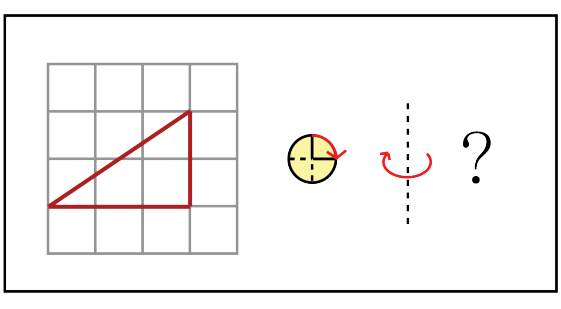
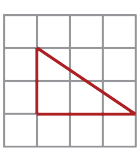
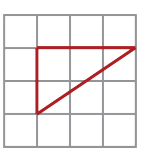
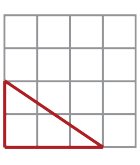
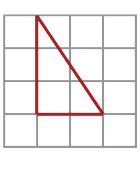
1. 도형을 시계 방향으로 90°만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?

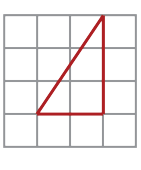


① 

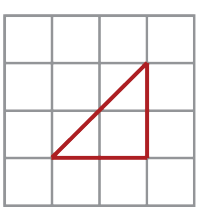
② 

③ 

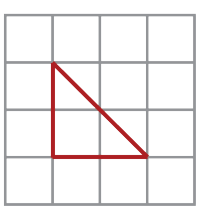
④ 

⑤ 

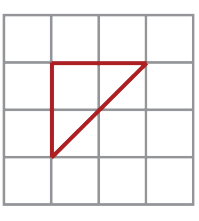
2. 다음 도형을 왼쪽으로 뒤집었을 때의 도형을 가, 나 중 고르시오.



가

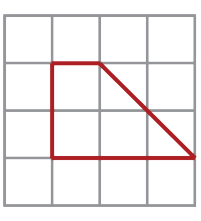


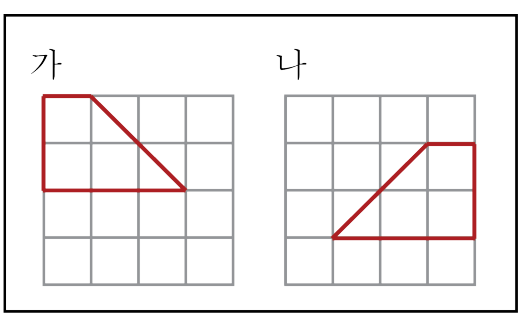
나



답: _____

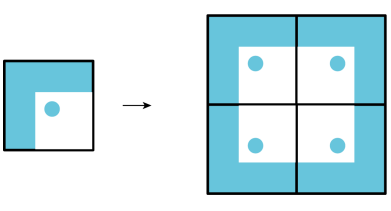
3. 다음 도형을 오른쪽으로 뒤집었을 때의 도형을 가, 나 중 고르시오.





답: _____

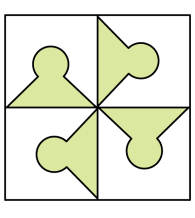
4. 왼쪽 모양을 움직여서 오른쪽 무늬를 만들 수 있는 방법을 모두 쓰시오.



답: _____

답: _____

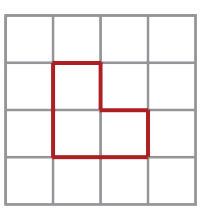
5. 다음 무늬는 어떤 한 가지 모양을 이어 붙여 만든 것입니다. 다음 중에서 어떤 규칙을 사용한 것입니까?

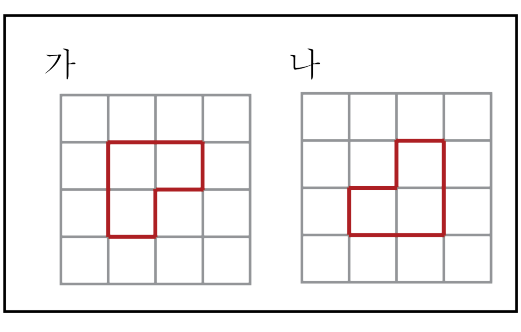


① 밀기 ② 뒤집기 ③ 돌리기

④ 밀고 뒤집기 ⑤ 뒤집고 돌리기

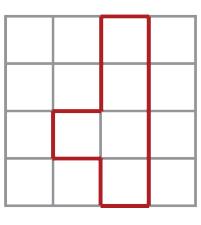
6. 도형을 시계 방향으로 90°만큼 돌렸을 때의 도형을 가, 나 중 고르시오.

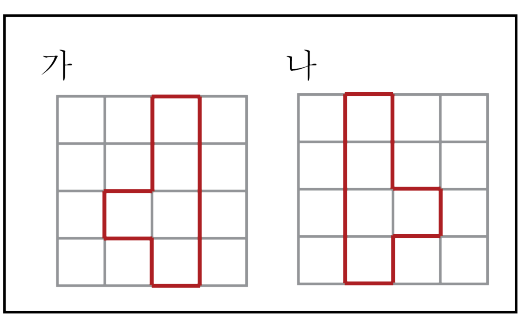




답: _____

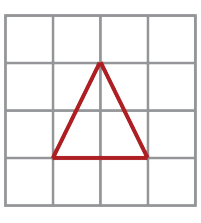
7. 도형을 시계 방향으로 360°만큼 돌렸을 때의 도형을 가, 나 중 고르시오.

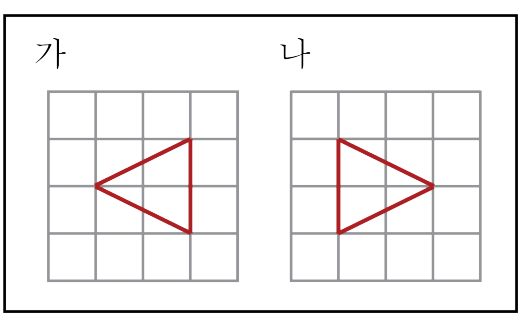




답: _____

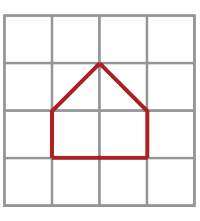
8. 도형을 시계 반대 방향으로 90°만큼 돌렸을 때의 도형을 가, 나 중 고르시오.

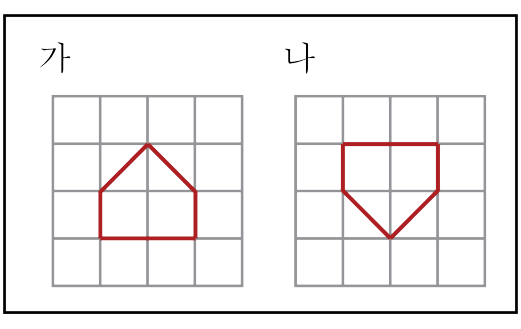




답: _____

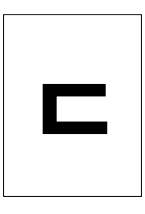
9. 도형을 시계 반대 방향으로 180°만큼 돌렸을 때의 도형을 가, 나 중 고르시오.

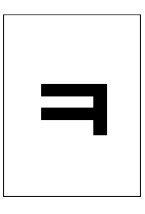


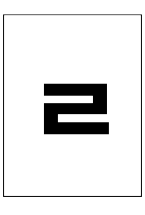


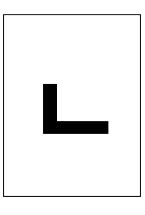
답: _____

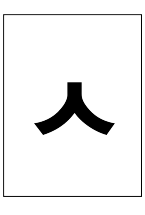
10. 시계 방향으로 180°만큼 돌렸을 때의 모양이 같은 것은 어느 것입니까?

① 

② 

③ 

④ 

⑤ 

11. 다음 중 도형을 주어진 방향으로 돌렸을 때 같은 모양이 되는 것은 어느 것입니까?

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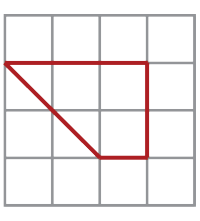
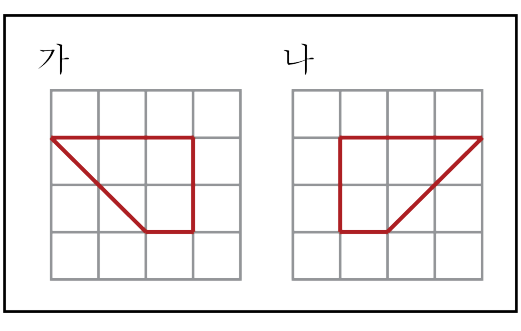
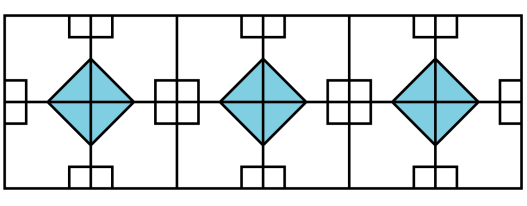
12. 다음 도형을 오른쪽으로 밀었을 때의 도형을 가, 나 중 고르시오.





답: _____

13. 다음 무늬는 어떤 모양을 사용하여 만든 것입니까?

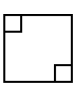


①

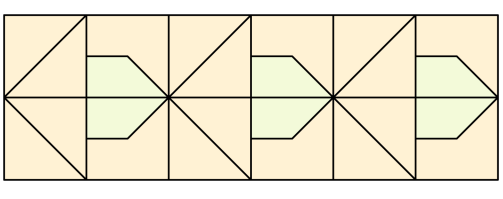
②

③

④

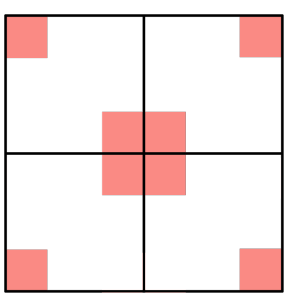
⑤ 

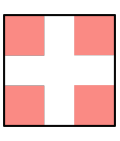
14. 두 가지 모양을 두 가지 방법으로만 움직여서 다음 무늬를 만들었습니다. 어떻게 움직여서 만든 것입니까?

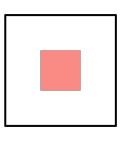


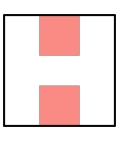
① 밀기와 돌리기
② 밀기와 뒤집기
③ 뒤집기와 돌리기
④ 뒤집기
⑤ 돌리기

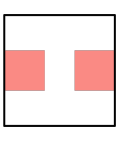
15. 다음 무늬는 어떤 도형을 돌려가며 만든 것입니까?

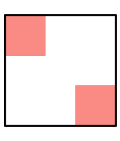


① 

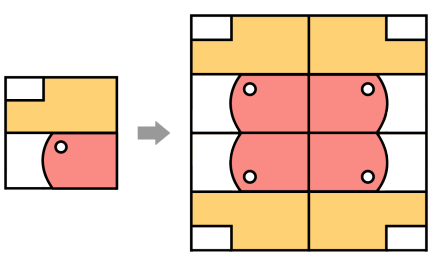
② 

③ 

④ 

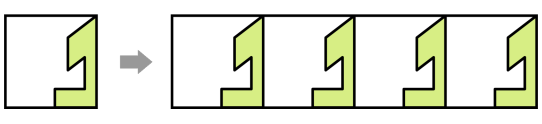
⑤ 

16. 다음 무늬는 기본 모양을 어떻게 움직여서 만든 것인지 써보시오.



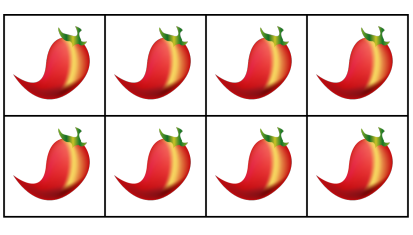
답: _____

17. 왼쪽 모양을 어떻게 하여 이어 붙이면 오른쪽 무늬가 되겠는지 구하시오.



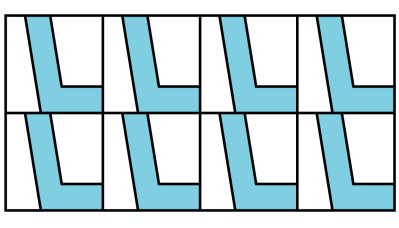
답: _____

18. 다음 무늬는 어떤 방법을 이용하여 만든 것입니까?



① 뒤집기 ② 돌리기 ③ 밀기
④ 겹치기 ⑤ 뒤틀기

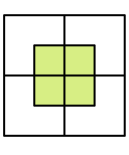
19. 다음 무늬는 모양을 어떻게 사용하여 만들었습니까?

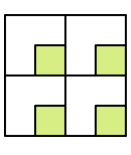


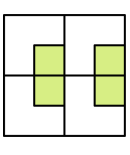
① 뒤집기 ② 돌리기 ③ 밀기

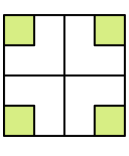
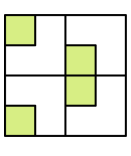
④ 뒤틀기 ⑤ 뒤집고 돌리기

20. 다음 그림을 밀기하여 만든 무늬는 어느 것인지 고르시오.

① 

② 

③ 

④ 

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