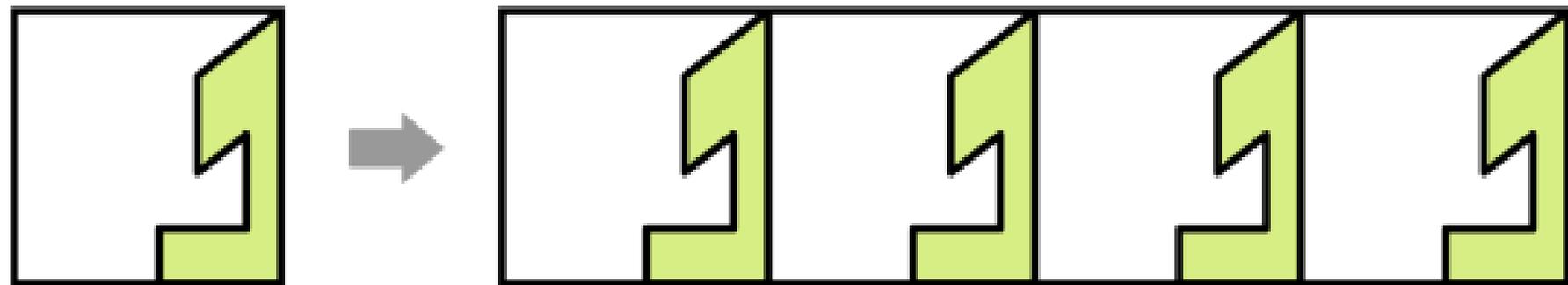
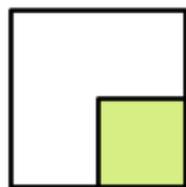


1. 왼쪽 모양을 어떻게 하여 이어 붙이면 오른쪽 무늬가 되겠는지 구하십시오.

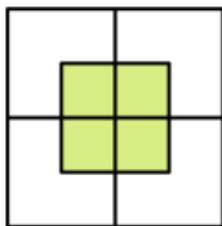


답: _____

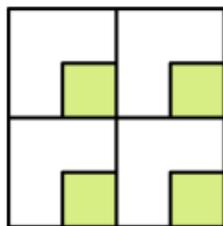
2. 다음 그림을 밀기하여 만든 무늬는 어느 것인지 고르시오.



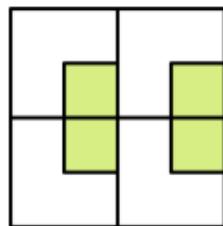
①



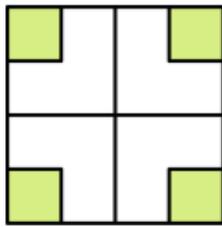
②



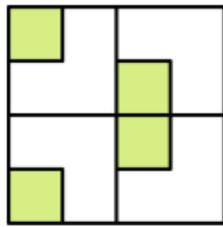
③



④

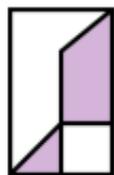


⑤

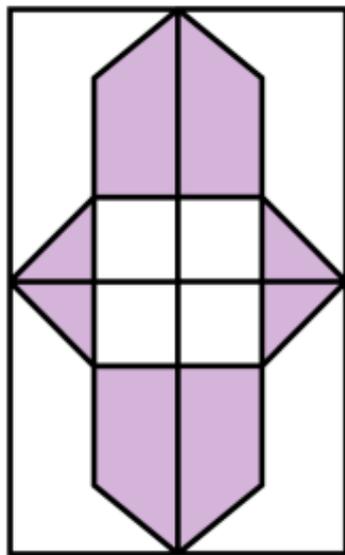


3.

다음 무늬는

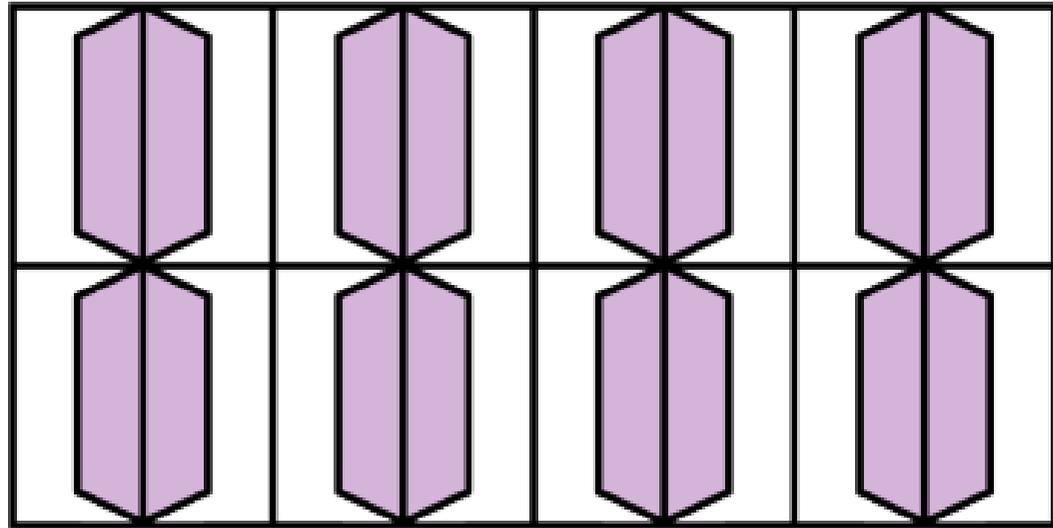


를 어떻게 움직여 만든 것입니까?



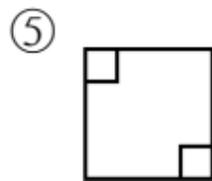
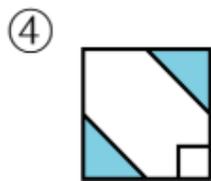
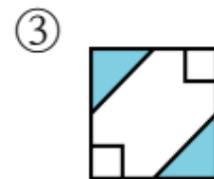
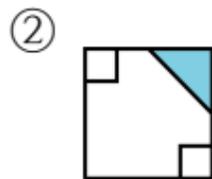
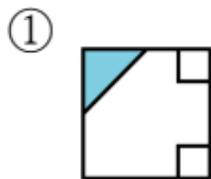
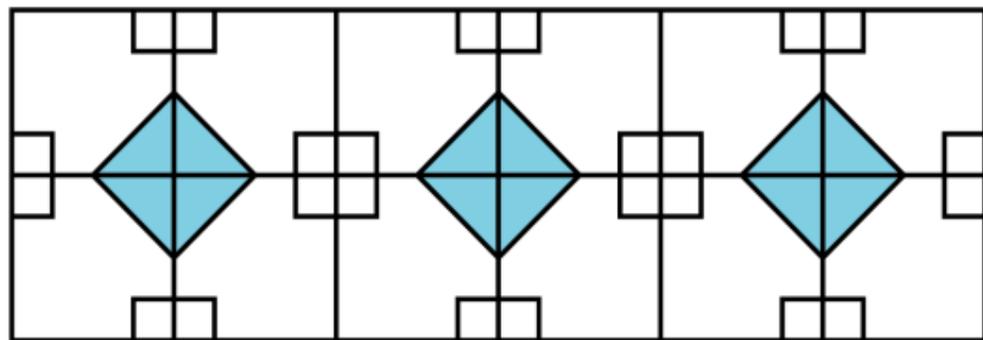
답: _____

4. 다음 무늬는 어떤 모양을 어떻게 움직여서 만든 것입니까?

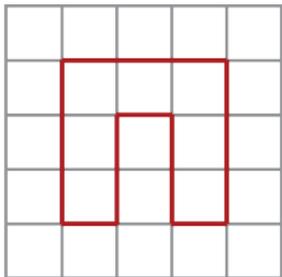


답:

5. 다음 무늬는 어떤 모양을 사용하여 만든 것입니까?



6. 다음 도형을 왼쪽으로 밀고 난 다음 다시 아래쪽으로 밀었을 때의 도형을 고르시오.



㉠

㉡

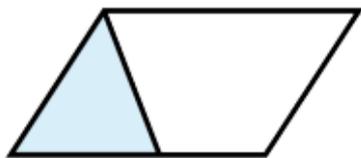
㉢

㉣

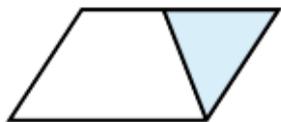


답: _____

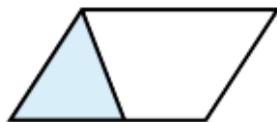
7. 다음 도형을 위쪽으로 밀었을 때의 도형은 어느 것입니까?



①



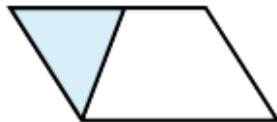
②



③



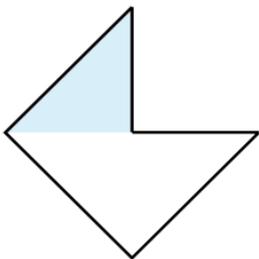
④



⑤



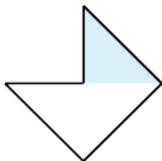
8. 다음 도형을 위쪽으로 밀었을 때의 도형은 어느 것입니까?



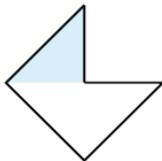
①



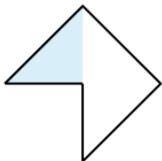
②



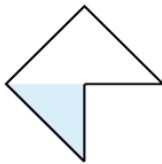
③



④



⑤



9. 다음 영어 알파벳 대문자 중 왼쪽, 오른쪽, 위쪽, 아래쪽 중 어느 쪽으로 뒤집어도 처음 모양과 같은 것은 어느 것입니까?

①

F

②

H

③

S

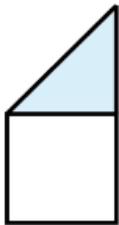
④

T

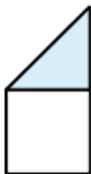
⑤

U

10. 모양 조각을 시계 반대 방향으로 90° 만큼 돌렸을 때의 모양은 어느 것입니까?



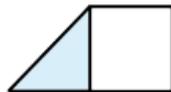
①



②



③



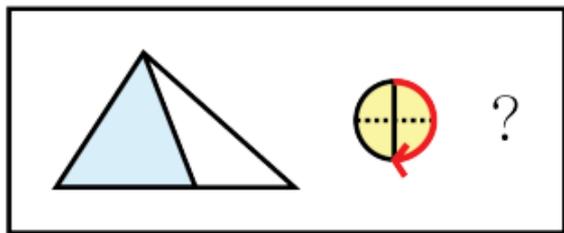
④



⑤



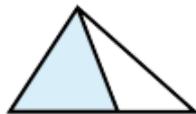
11. 모양 조각을 시계 방향으로 180° 만큼 돌렸을 때의 모양은 어느 것입니까?



①



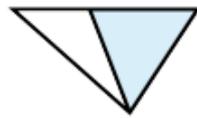
②



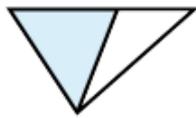
③



④



⑤

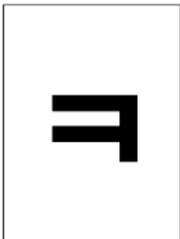


12. 시계 방향으로 180°만큼 돌렸을 때의 모양이 같은 것은 어느 것입니까?

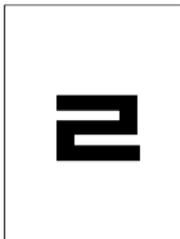
①



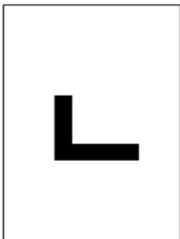
②



③



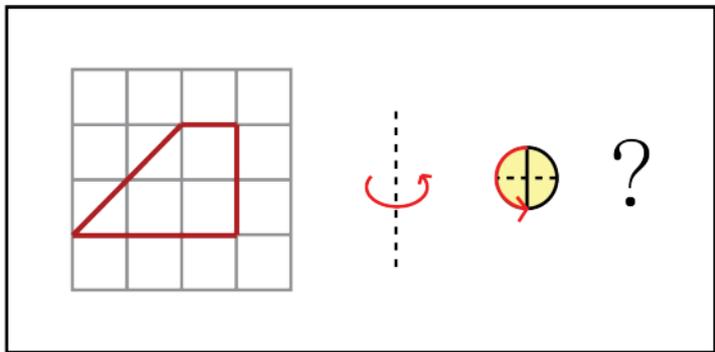
④



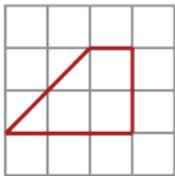
⑤



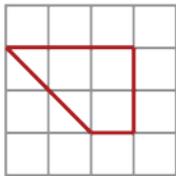
13. 도형을 오른쪽으로 뒤집고 시계 반대 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



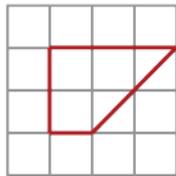
①



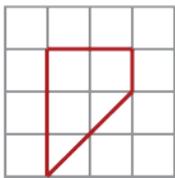
②



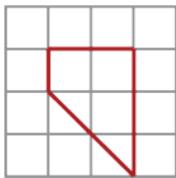
③



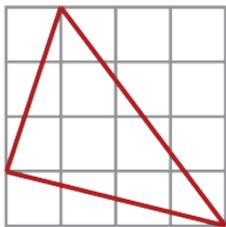
④



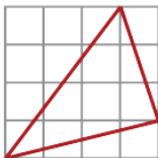
⑤



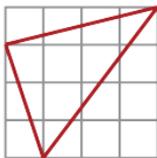
14. 도형을 오른쪽으로 밀고 왼쪽으로 5번 뒤집은 다음 시계 방향으로 180° 만큼 돌렸을 때의 도형은 어느 것입니까?



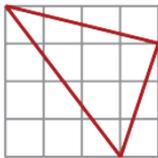
①



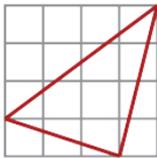
②



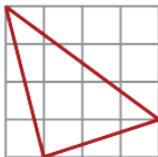
③



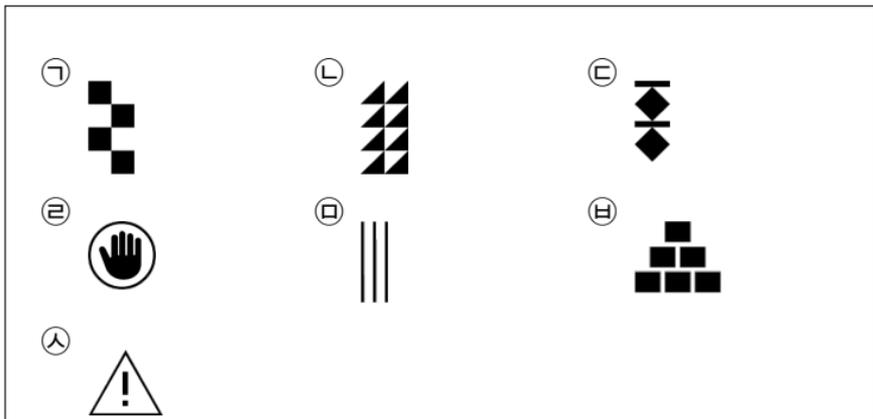
④



⑤



15. 다음의 여러 가지 그림을 보고 오른쪽으로 뒤집기를 하여 같은 무늬를 얻을 수 있는 것을 모두 고르시오.



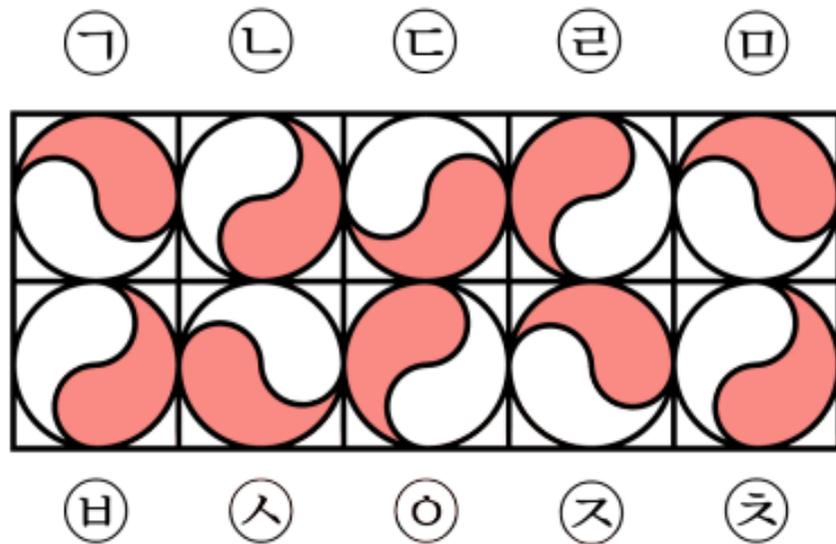
> 답: _____

> 답: _____

> 답: _____

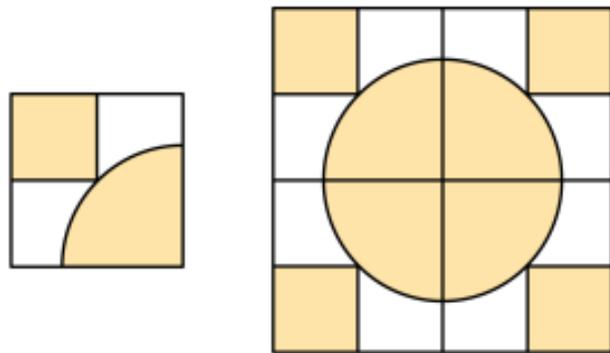
> 답: _____

16. 다음은 한 가지 규칙만을 사용하여 움직인 무늬입니다. 규칙에 어긋나는 무늬를 찾아 기호를 쓰시오.



답: _____

17. 왼쪽 무늬를 움직여서 오른쪽 무늬를 만들 수 있는 방법을 모두 나열한 것은 어느 것입니까?



① 밀기

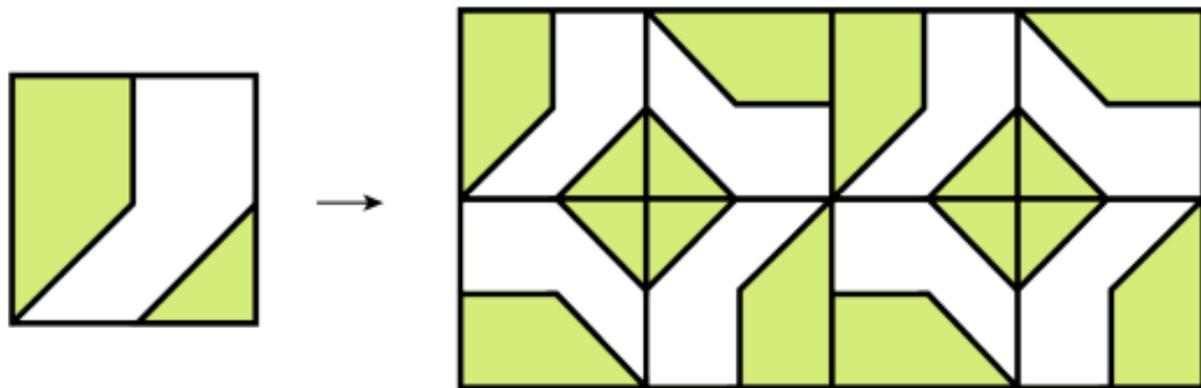
② 돌리기

③ 뒤집기

④ 밀기, 돌리기

⑤ 돌리기, 뒤집기

18. 다음 무늬는 왼쪽 모양을 어떻게 움직여서 만든 것인지 모두 쓰시오.

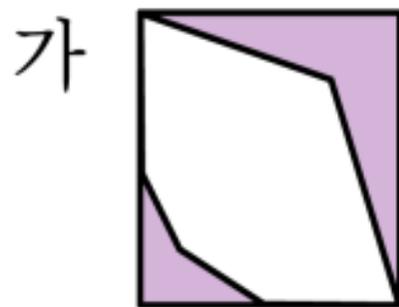


> 답: _____

> 답: _____

19. 가와 같은 타일 2장을 이용하여 나를 덮을 때, 만들 수 있는 서로 다른 무늬는 모두 몇 가지인지 구하시오.

(단, 돌리거나 뒤집어서 모양이 같은 것은 같은 모양으로 생각합니다.)



답:

_____ 가지

20. 다음 두 방식의 무늬는 공통적으로 씩 방법을 사용하여 만든 것입니다. 안에 알맞은 수나 말을 써넣으시오.



> 답: _____ ◦

> 답: _____