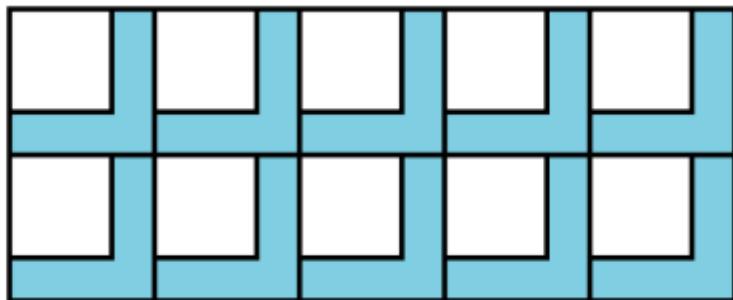
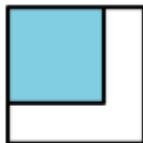


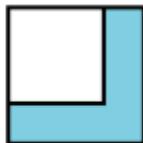
1. 다음 무늬는 어떤 모양을 밀기 방법을 이용하여 만든 것입니까?



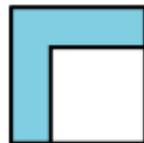
①



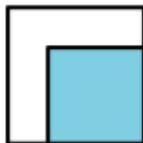
②



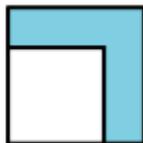
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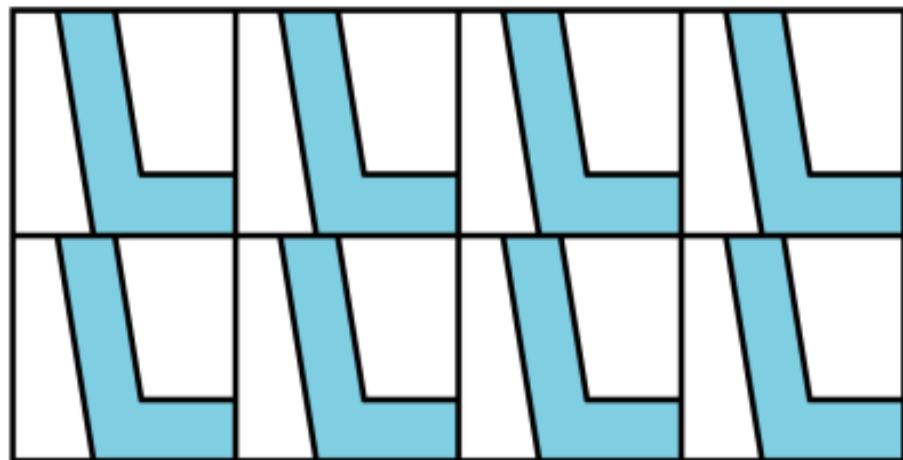
④



⑤



2. 다음 무늬는 모양을 어떻게 사용하여 만들었습니까?



① 뒤집기

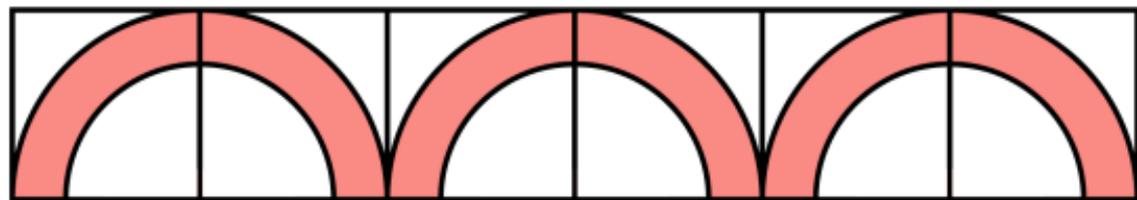
② 돌리기

③ 밀기

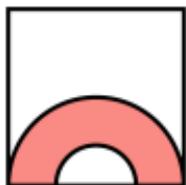
④ 뒤틀기

⑤ 뒤집고 돌리기

3. 다음 무늬는 어떤 모양을 뒤집어 가며 이어 붙여서 만든 모양입니까?



①



②



③



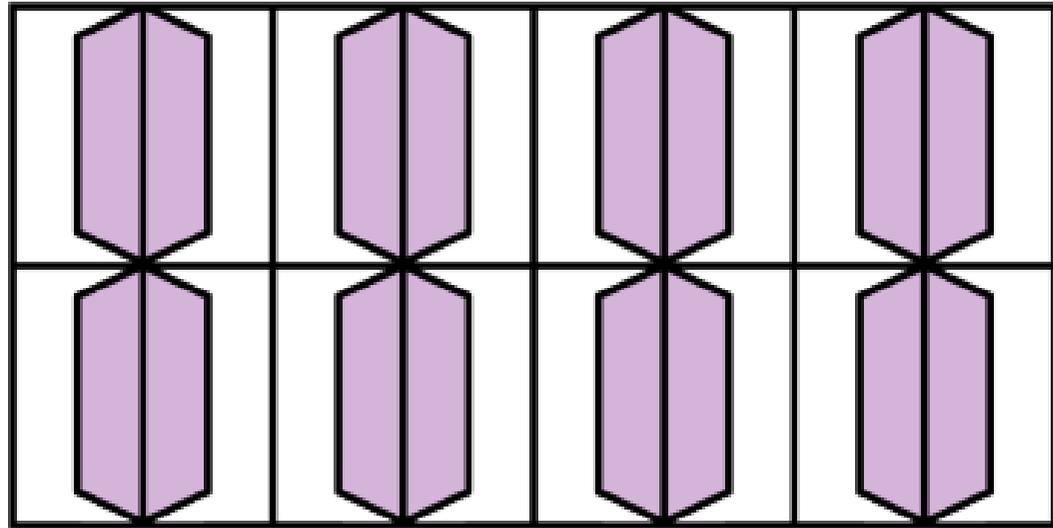
④



⑤



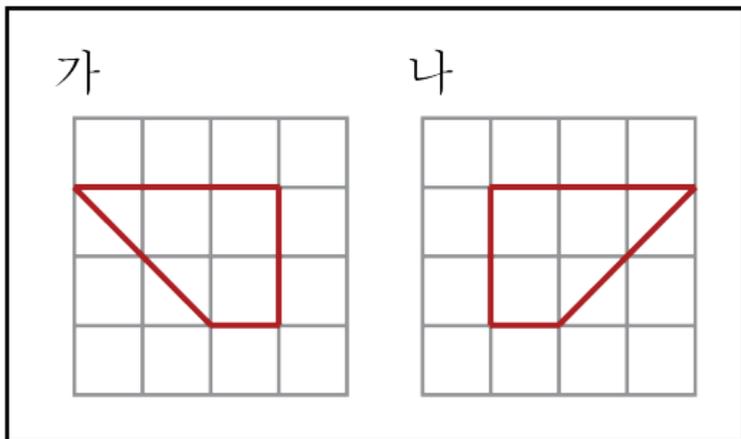
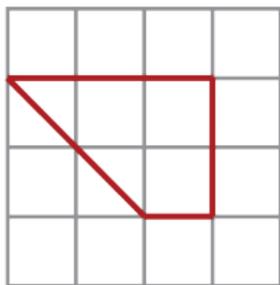
4. 다음 무늬는 어떤 모양을 어떻게 움직여서 만든 것입니까?



답:

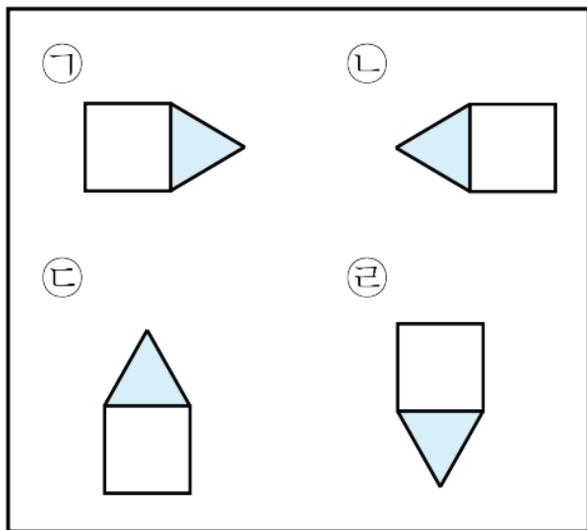
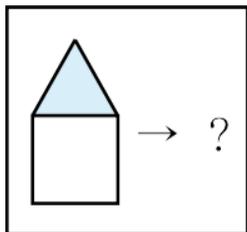
\_\_\_\_\_

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



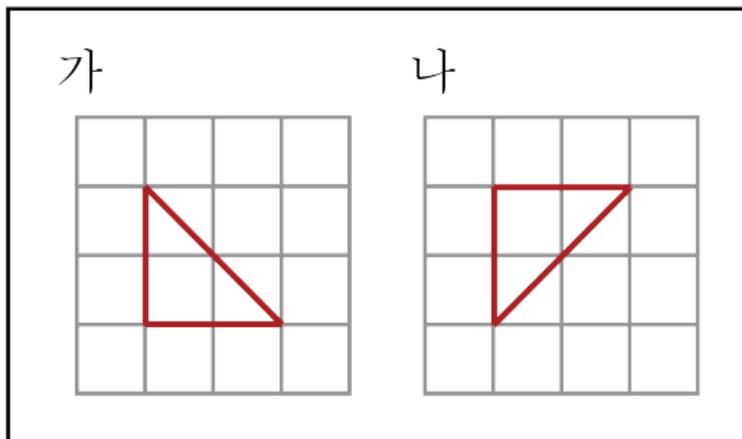
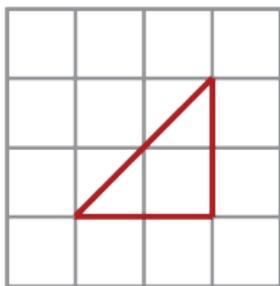
답: \_\_\_\_\_

6. 다음 모양 조각을 오른쪽으로 밀었을 때의 모양을 찾아 기호를 쓰시오.



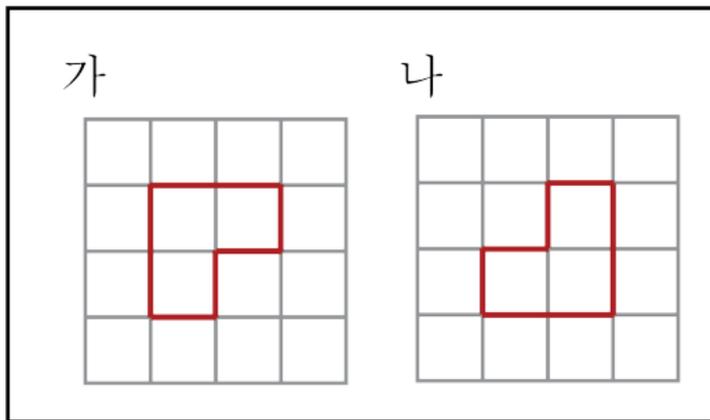
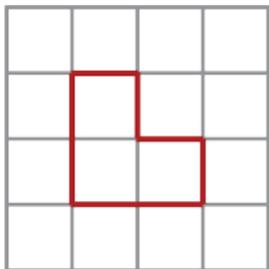
답: \_\_\_\_\_

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



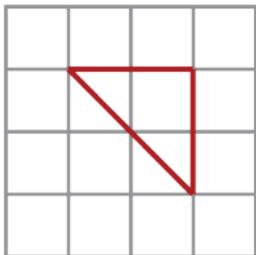
답: \_\_\_\_\_

8. 도형을 시계 방향으로  $90^\circ$ 만큼 돌렸을 때의 도형을 가, 나 중 고르시오.

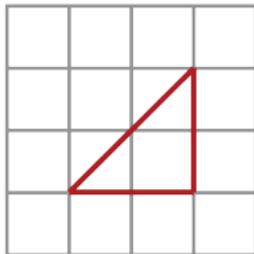


답: \_\_\_\_\_

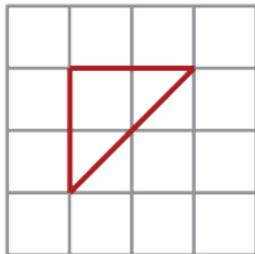
9. 도형을 시계 방향으로  $270^\circ$ 만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



가

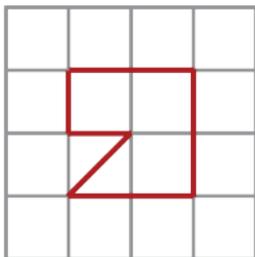


나

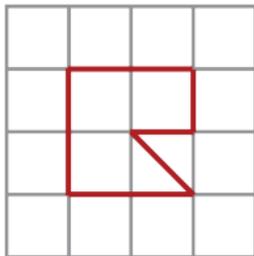


답: \_\_\_\_\_

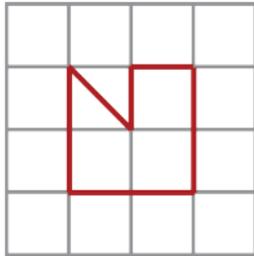
10. 도형을 시계 반대 방향으로  $270^\circ$ 만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



가



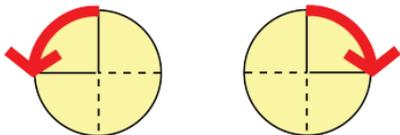
나



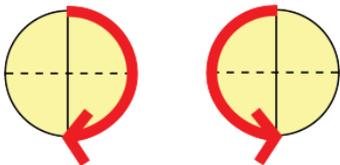
답: \_\_\_\_\_

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

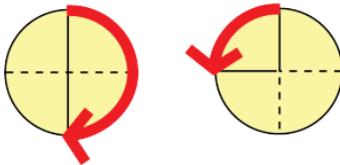
①



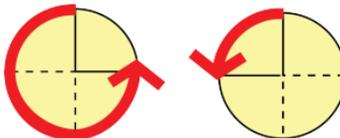
②



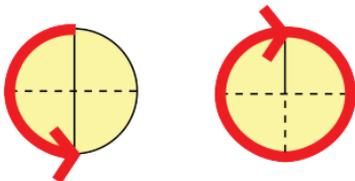
③



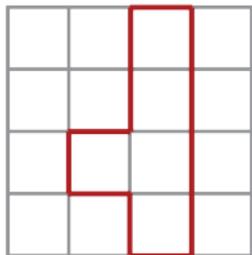
④



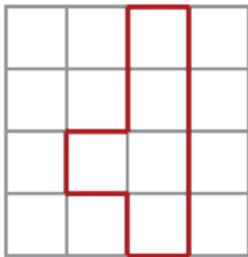
⑤



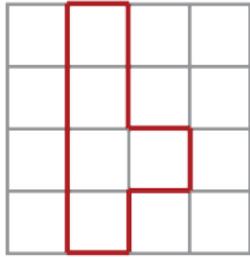
12. 도형을 시계 방향으로  $360^\circ$ 만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



가



나



> 답: \_\_\_\_\_

13. 다음 중 뒤집기 한 모양과 밀기 한 모양이 다르게 될 수 있는 것을 고르시오.

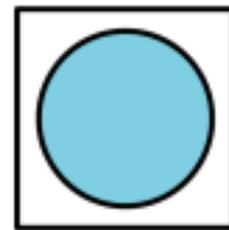
①



②



③



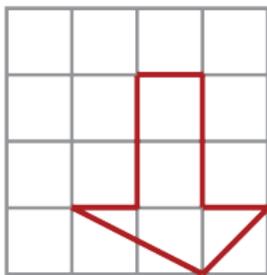
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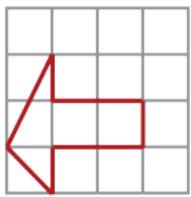
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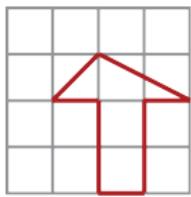
14. 어떤 도형을 시계 방향으로  $90^\circ$ 만큼 돌린 도형이 다음과 같았을 때, 도형의 처음 모양은 어느 것입니까?



①



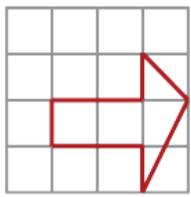
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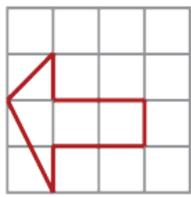
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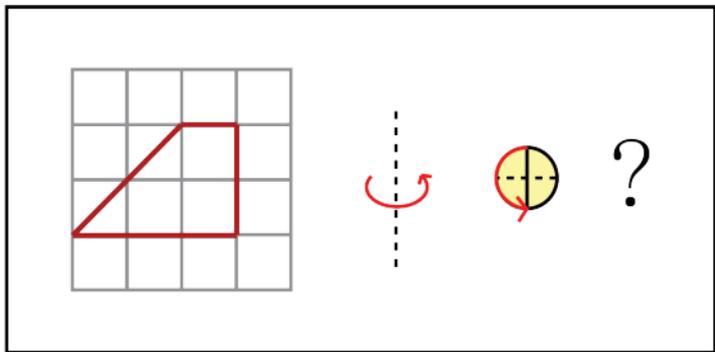
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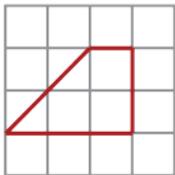
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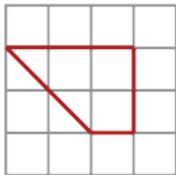
15. 도형을 오른쪽으로 뒤집고 시계 반대 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



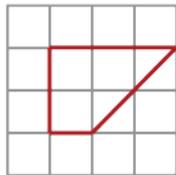
①



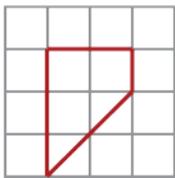
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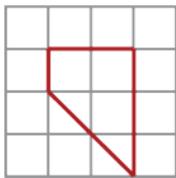
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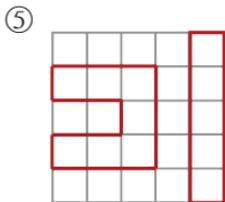
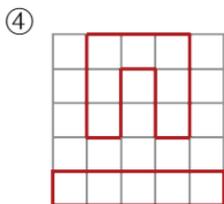
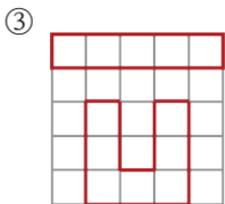
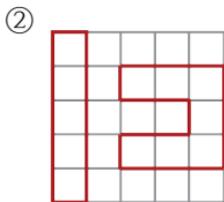
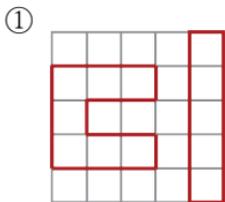
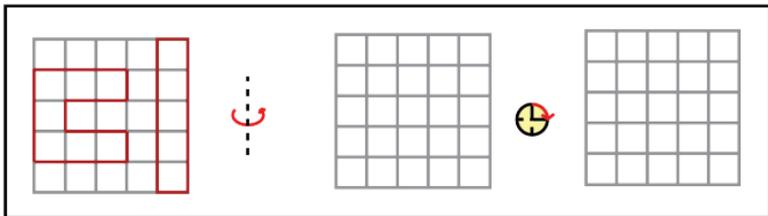
④



⑤



16. 도형을 오른쪽으로 뒤집고 시계 방향으로 90°만큼 돌렸을 때의 도형은 어느 것입니까?



17. 뒤집기하여 처음과 같은 모양을 얻을 수 없는 알파벳은 모두 몇 개입니까?

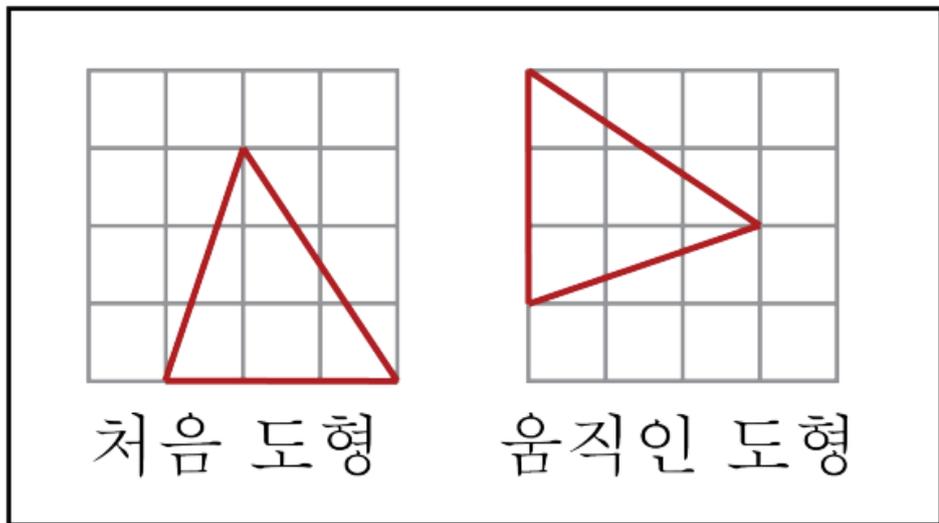
A	B	E	G	H
I	K	L	M	N
O	P	S	T	U



답:

\_\_\_\_\_ 개

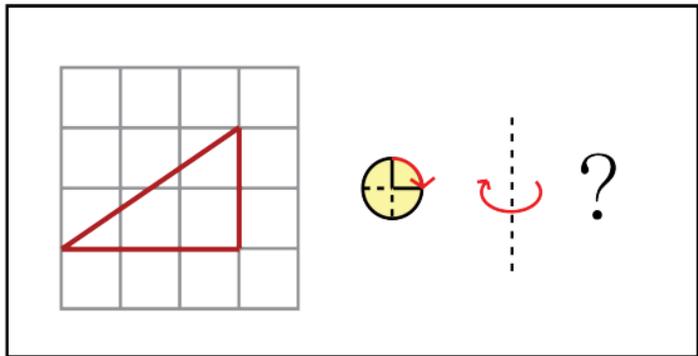
18. 다음 도형의 이동에 대한 설명을 보고  안에 알맞은 수를 써넣으시오.



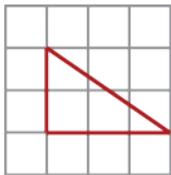
처음 도형을 왼쪽으로 뒤집고 시계 방향으로  ° 돌리면 움직인 도형이 됩니다.

 답: \_\_\_\_\_

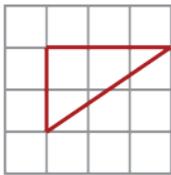
19. 도형을 시계 방향으로  $90^\circ$ 만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?



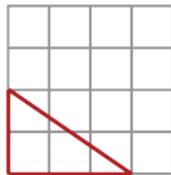
①



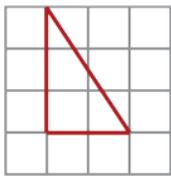
②



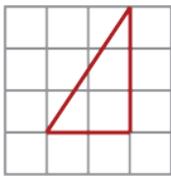
③



④



⑤



20. 도형을 시계 반대 방향으로 180°만큼 돌리고 오른쪽으로 뒤집었을 때의 도형은 어느 것입니까?

