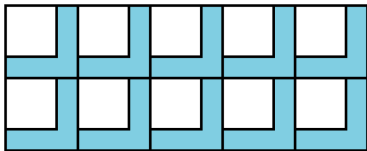


1. 다음 무늬는 어떤 모양을 밀기 방법을 이용하여 만든 것입니까?



①



②



③



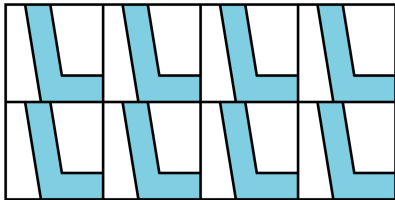
④



⑤



2. 다음 무늬는 모양을 어떻게 사용하여 만들었습니까?



① 뒤집기

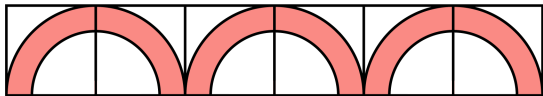
② 돌리기

③ 밀기

④ 뒤틀기

⑤ 뒤집고 돌리기

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



①



②



③



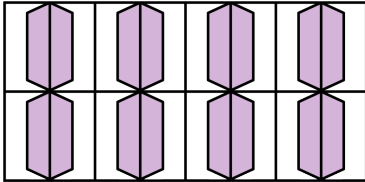
④



⑤



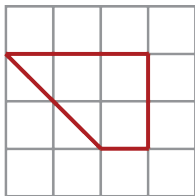
4. 다음 무늬는 어떤 모양을 어떻게 움직여서 만든 것입니까?



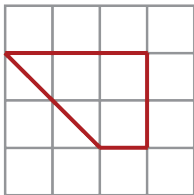
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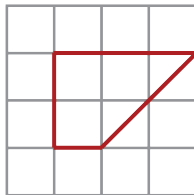
5. 다음 도형을 오른쪽으로 밀었을 때의 도형을 가, 나 중 고르시오.



가

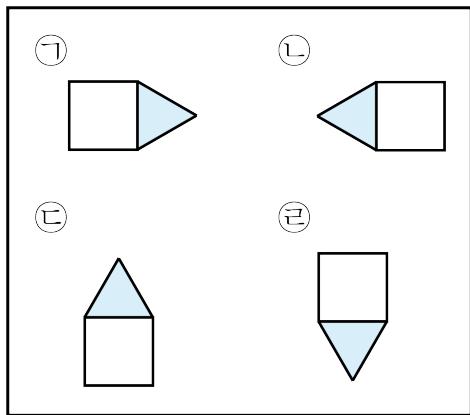
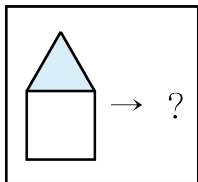


나



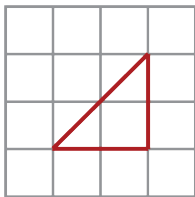
답: \_\_\_\_\_

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

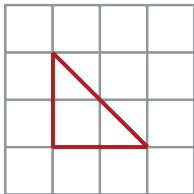


답: \_\_\_\_\_

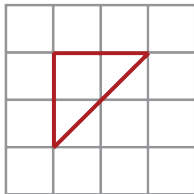
7. 다음 도형을 왼쪽으로 뒤집었을 때의 도형을 가, 나 중 고르시오.



가



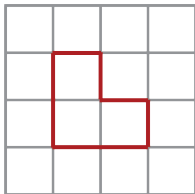
나



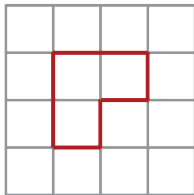
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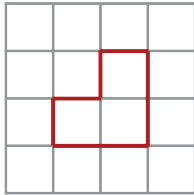
8. 도형을 시계 방향으로  $90^\circ$ 만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



가

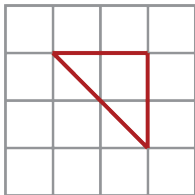


나

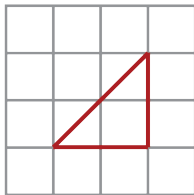


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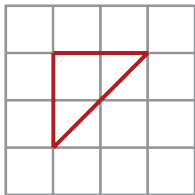
9. 도형을 시계 방향으로  $270^\circ$ 만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



가

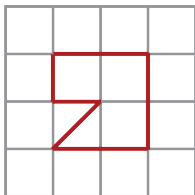


나

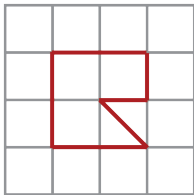


답: \_\_\_\_\_

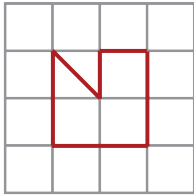
10. 도형을 시계 반대 방향으로  $270^\circ$ 만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



가



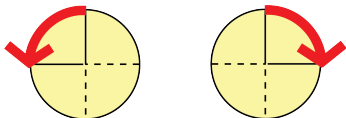
나



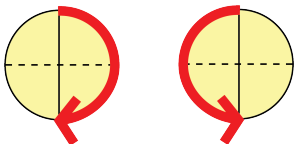
답: \_\_\_\_\_

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

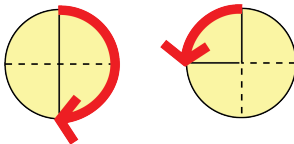
①



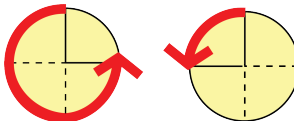
②



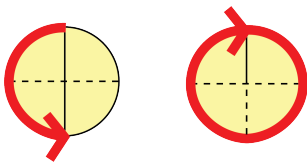
③



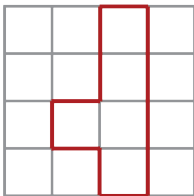
④



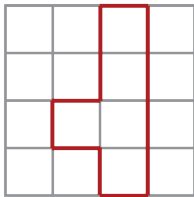
⑤



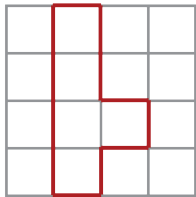
12. 도형을 시계 방향으로  $360^\circ$ 만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



가



나



답:

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

①



②



③



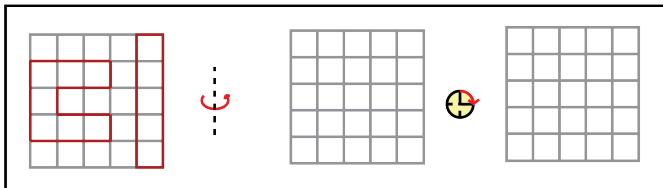
④



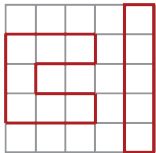
⑤



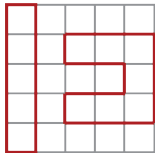
14. 도형을 오른쪽으로 뒤집고 시계 방향으로 90°만큼 돌렸을 때의 도형은 어느 것입니까?



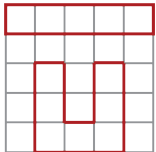
①



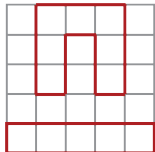
②



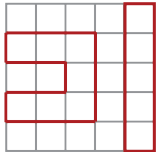
③



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⑤



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

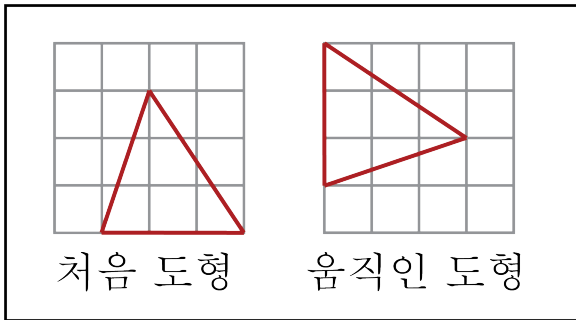
|   |   |   |   |   |
|---|---|---|---|---|
| A | B | E | G | H |
| I | K | L | M | N |
| O | P | S | T | U |



답:

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

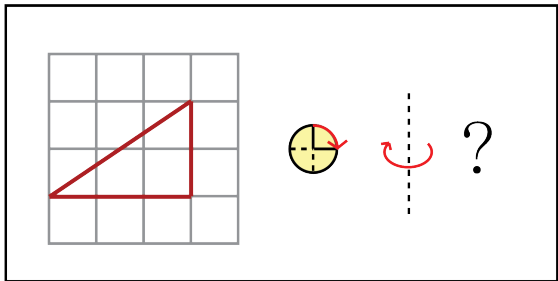


처음 도형을 왼쪽으로 뒤집고 시계 방향으로  °돌리면 움직인 도형이 됩니다.

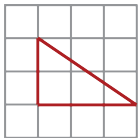


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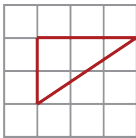
17. 도형을 시계 방향으로  $90^\circ$ 만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?



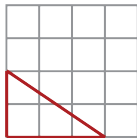
①



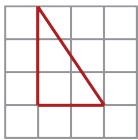
②



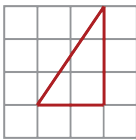
③



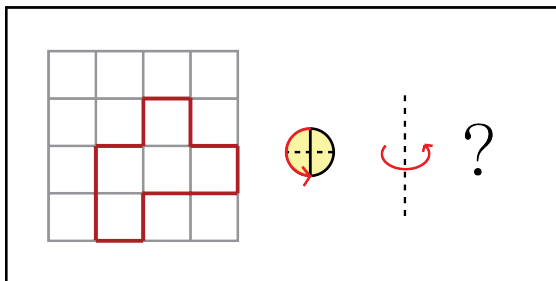
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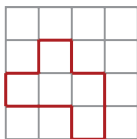
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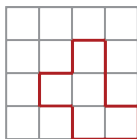
18. 도형을 시계 반대 방향으로 180°만큼 돌리고 오른쪽으로 뒤집었을 때의 도형은 어느 것입니까?



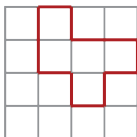
①



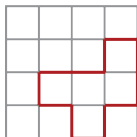
②



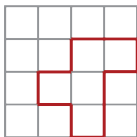
③



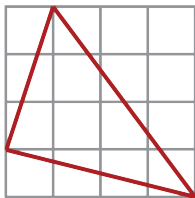
④



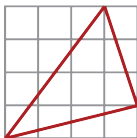
⑤



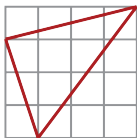
19. 도형을 오른쪽으로 밀고 왼쪽으로 5번 뒤집은 다음 시계 방향으로  $180^\circ$ 만큼 돌렸을 때의 도형은 어느 것입니까?



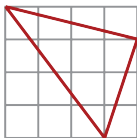
①



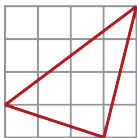
②



③



④



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