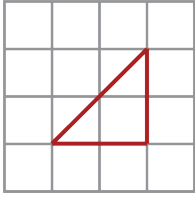


1. 다음 도형을 왼쪽으로 밀었을 때의 도형을 가, 나 중 고르시오.

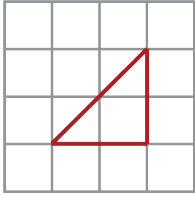


가

나

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

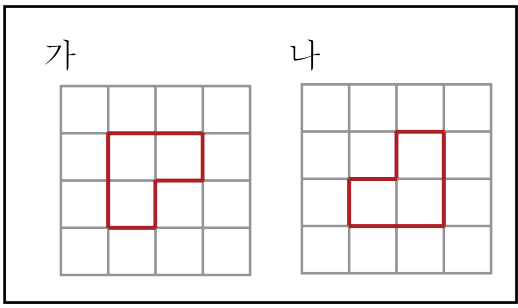
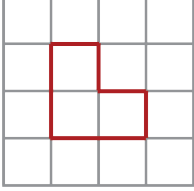


가

나

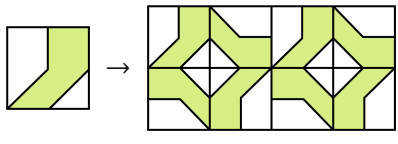
 답: \_\_\_\_\_

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



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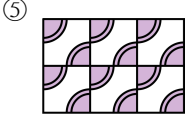
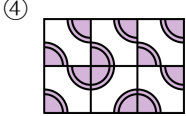
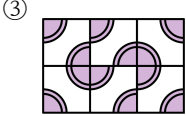
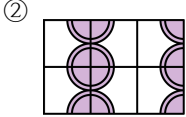
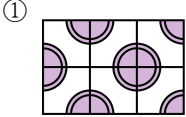
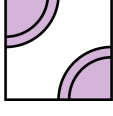
4. 다음 무늬는 아래 모양을 어떻게 움직여서 만든 것인지 모두 쓰시오.



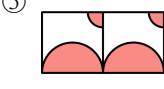
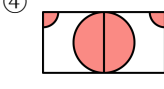
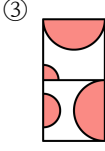
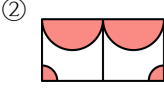
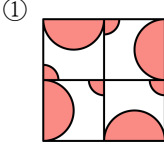
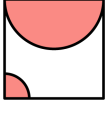
> 답: \_\_\_\_\_

> 답: \_\_\_\_\_

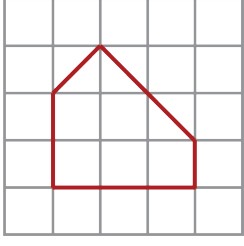
5. 다음 모양을 이어 붙여서 만들 수 없는 무늬는 어느 것입니까?



6. 다음 모양을 밀기, 뒤집기, 돌리기를 하여 이어 붙여서 무늬를 만들 때, 만들 수 없는 무늬는 어느 것입니까?



7. 다음 도형을 위쪽으로 밀고 난 다음 다시 왼쪽으로 밀었을 때의 도형을 고르시오.



㉠

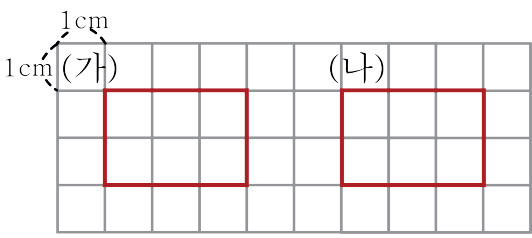
㉡

㉢

㉣

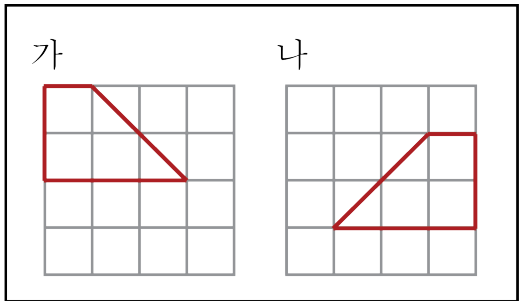
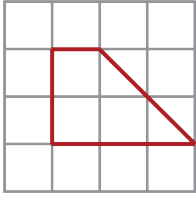
답: \_\_\_\_\_

8. 다음 도형의 이동에 대한 설명으로 옳은 것은 어느 것입니까?



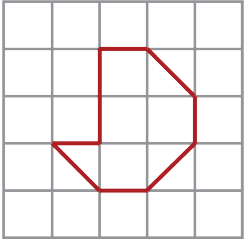
- ① (가) 도형은 (나) 도형을 왼쪽으로 2cm 밀었을 때의 모양입니다.
- ② (가) 도형은 (나) 도형을 오른쪽으로 5cm 밀었을 때의 모양입니다.
- ③ (나) 도형은 (가) 도형을 왼쪽으로 2cm 밀었을 때의 모양입니다.
- ④ (나) 도형은 (가) 도형을 오른쪽으로 5cm 밀었을 때의 모양입니다.
- ⑤ (나) 도형은 (가) 도형을 오른쪽으로 8cm 밀었을 때의 모양입니다.

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

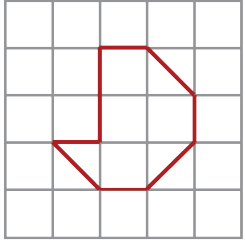


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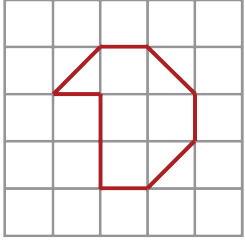
10. 다음 도형을 오른쪽으로 3번 뒤집었을 때의 도형을 고르시오.



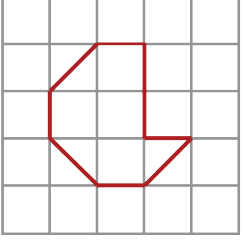
㉠



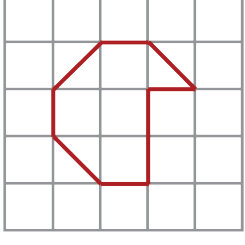
㉡



㉢

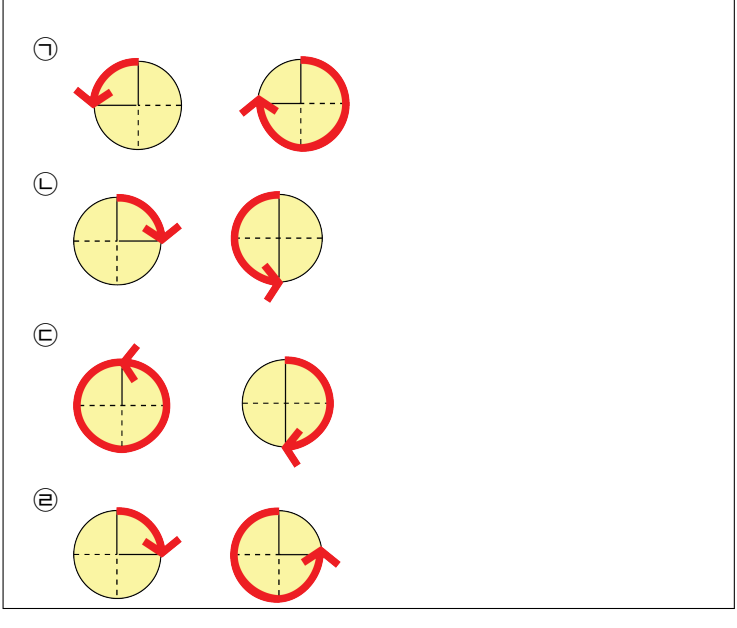


㉣



▶ 답: \_\_\_\_\_

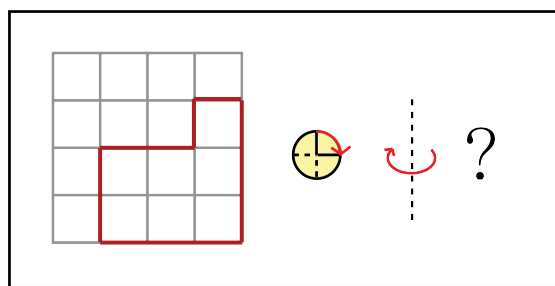
11. 다음에서 도형을 주어진 방향으로 돌렸을 때 같은 모양이 되는 것을 모두 고르시오.



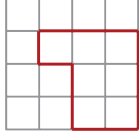
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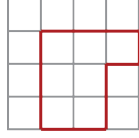
12. 도형을 시계 방향으로 90°만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?



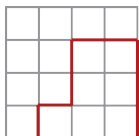
①



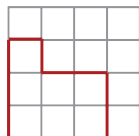
②



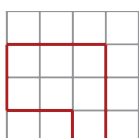
③



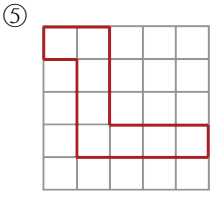
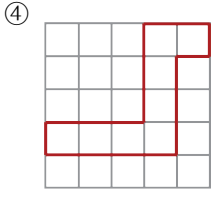
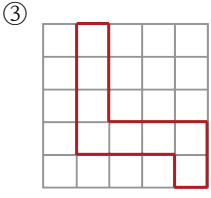
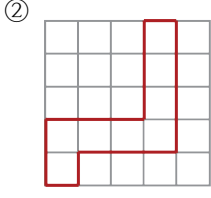
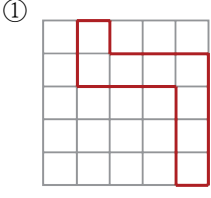
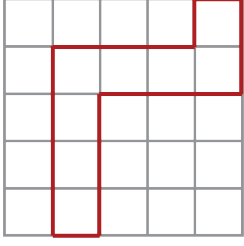
④



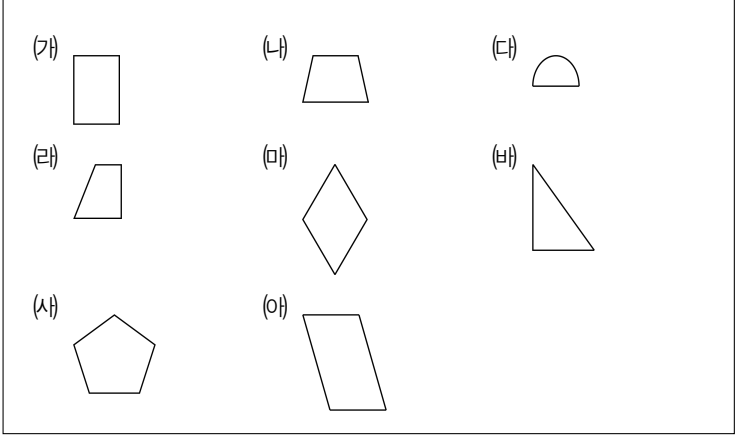
⑤



13. 도형을 왼쪽으로 6번 뒤집고 시계 반대 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



14. 다음 도형을 보고, 오른쪽으로 뒤집기를 하여 처음 도형과 같은 도형을 얻을 수 있는 도형은 모두 몇 개입니까?

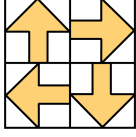


▶ 답: \_\_\_\_\_ 개

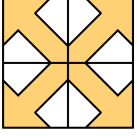
15. 보기의 모양을 돌리기 한 모양이 아닌 것을 고르시오.



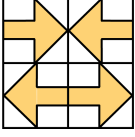
①



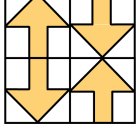
②



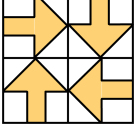
③



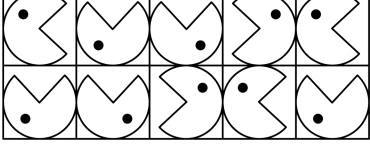
④



⑤



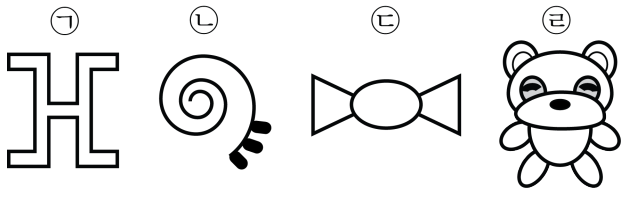
16. 다음 그림을 보고, 한 가지 모양을 어떤 규칙으로 움직였는지 모두 쓰시오.



▶ 답: \_\_\_\_\_

▶ 답: \_\_\_\_\_

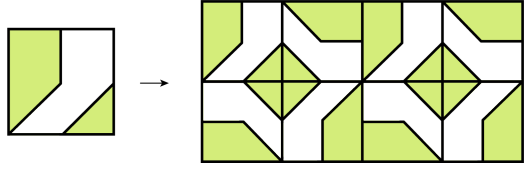
17. 다음 무늬를 보고, 뒤집기 하여 똑같은 무늬를 얻을 수 있는 것을 모두 고르시오.



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 답: \_\_\_\_\_

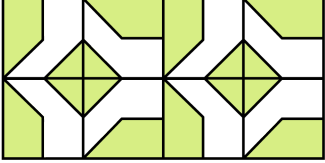
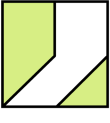
18. 다음 무늬는 왼쪽 모양을 어떻게 움직여서 만든 것인지 모두 쓰시오.



> 답: \_\_\_\_\_

> 답: \_\_\_\_\_

19. 다음 무늬는 아래 모양을 어떻게 움직여서 만든 것인지 구하시오.(방법을 모두 쓰시오.)

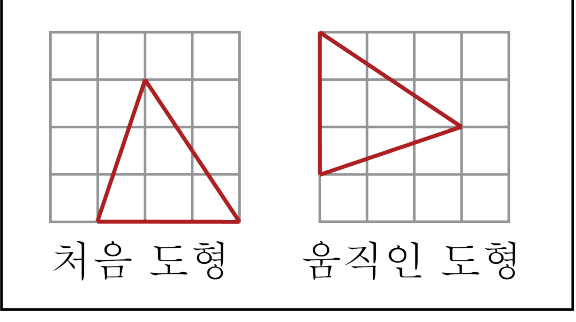


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> 답: \_\_\_\_\_

> 답: \_\_\_\_\_

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



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

답: