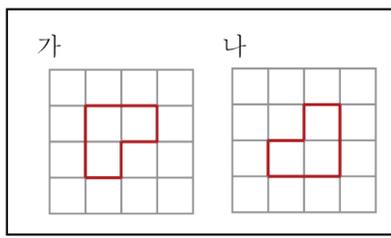
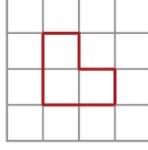


1. 도형을 시계 방향으로 90°만큼 돌렸을 때의 도형을 가, 나 중 고르시오.

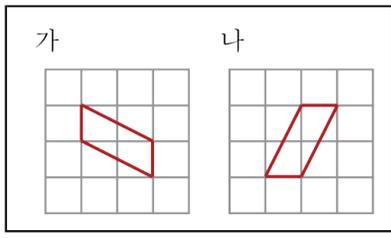
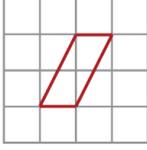


▶ 답:

▷ 정답: 가



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

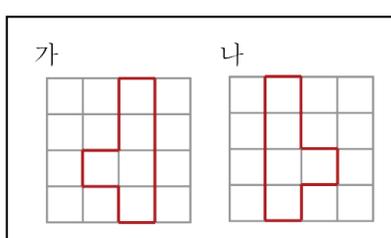
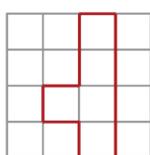


▶ 답:

▷ 정답: 나



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



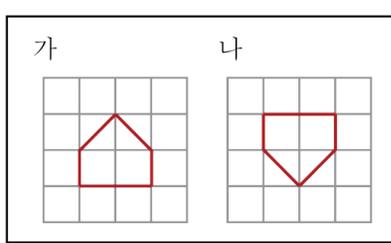
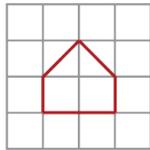
▶ 답:

▷ 정답: 가

해설

도형을 시계 방향으로 360° 만큼 돌리면 처음 도형과 모양이 같습니다.

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

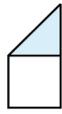


▶ 답:

▷ 정답: 나



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



①



②



③



④



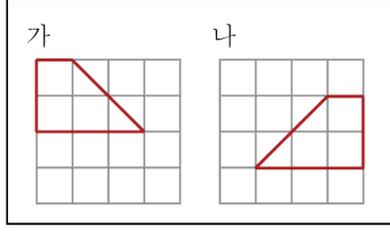
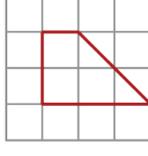
⑤



해설

모양 조각을 위쪽으로 뒤집으면 위쪽과 아래쪽이 서로 바뀝니다.

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



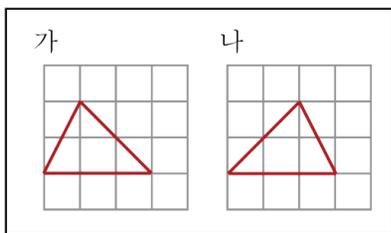
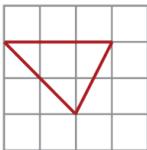
▶ 답:

▷ 정답: 나

해설

도형을 오른쪽으로 뒤집으면 도형의 오른쪽과 왼쪽이 서로 바뀝니다.

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



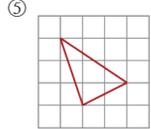
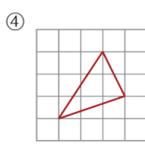
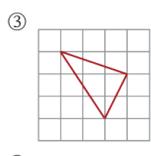
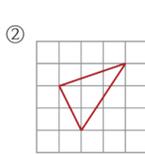
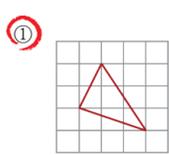
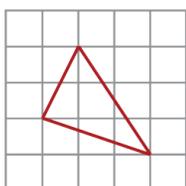
▶ 답:

▷ 정답: 나

해설

도형을 아래쪽으로 뒤집으면 도형의 위쪽과 아래쪽이 서로 바뀝니다.

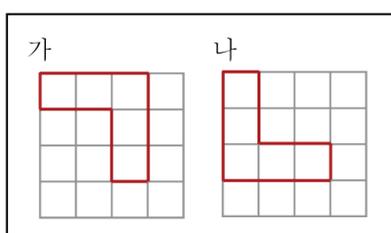
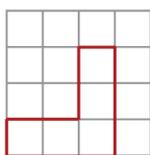
8. 다음 도형을 위쪽으로 6번 뒤집었을 때의 도형은 어느 것입니까?



해설

도형을 같은 방향으로 6번 뒤집으면 처음 도형과 같습니다.

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



▶ 답:

▷ 정답: 가

해설

도형을 위쪽으로 뒤집으면 도형의 위쪽과 아래쪽이 서로 바뀐다.

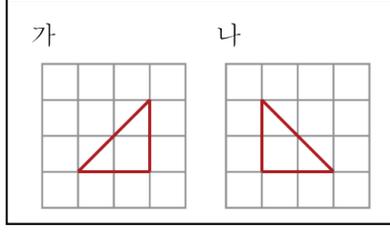
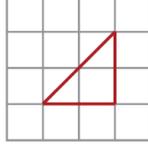
10. 다음 영어 알파벳 대문자 중 왼쪽, 오른쪽, 위쪽, 아래쪽 중 어느 쪽으로 뒤집어도 처음 모양과 같은 것은 어느 것입니까?

① F ② H ③ S
④ T ⑤ U

해설

②는 왼쪽, 오른쪽, 위쪽, 아래쪽으로 뒤집은 모양이 처음 모양과 모두 같습니다.

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



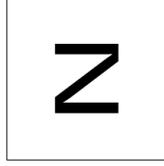
▶ 답:

▷ 정답: 가

해설

도형을 밀면 모양과 크기는 변하지 않습니다.

12. 왼쪽 도형을 움직여 오른쪽 도형이 되었을 때, 이동으로 알맞은 것을 모두 고르시오.



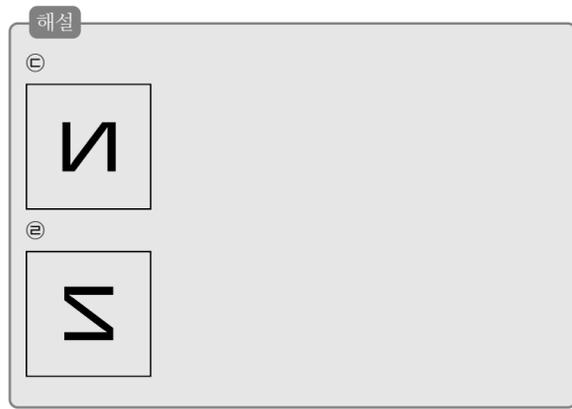
- ㉠ 시계 방향으로 90°돌리기
- ㉡ 시계 반대 방향으로 90°돌리기
- ㉢ 시계 방향으로 180°돌리고 왼쪽으로 뒤집기
- ㉣ 위쪽으로 뒤집고 시계 방향으로 270°돌리기

▶ 답:

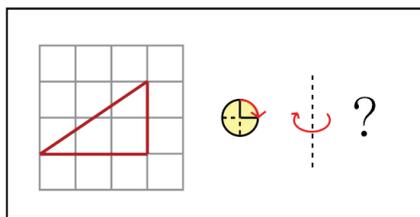
▶ 답:

▶ 정답: ㉠

▶ 정답: ㉡



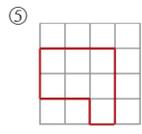
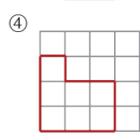
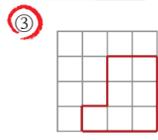
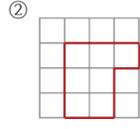
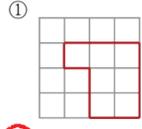
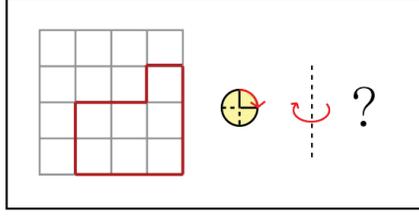
13. 도형을 시계 방향으로 90° 만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?



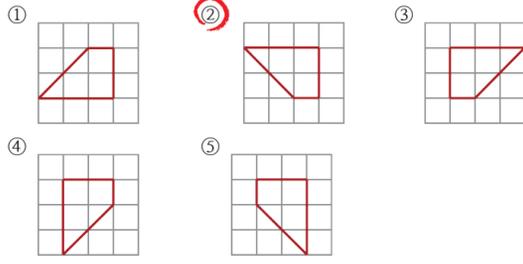
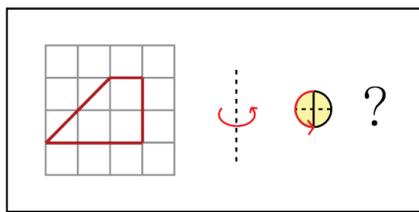
- ①
- ②
- ③
- ④
- ⑤



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

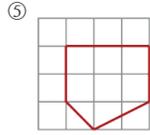
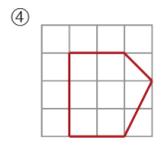
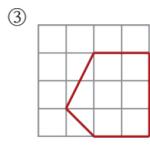
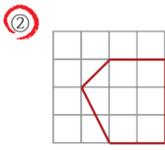
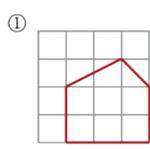
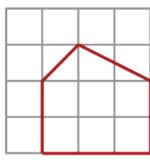


15. 도형을 오른쪽으로 뒤집고 시계 반대 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



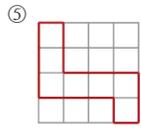
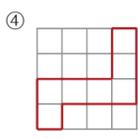
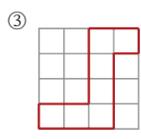
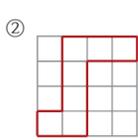
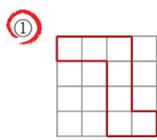
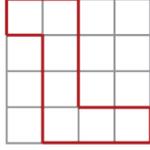
해설

16. 도형을 시계 방향으로 270°만큼 돌리고 위쪽으로 뒤집었을 때의 도형은 어느 것입니까?



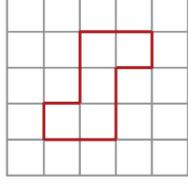
해설

17. 도형을 위쪽으로 2번 뒤집고 시계 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



해설

18. 다음 도형을 왼쪽으로 2번 뒤집었을 때의 도형을 고르시오.



<p>㉠</p>	<p>㉡</p>
<p>㉢</p>	<p>㉣</p>

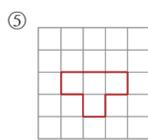
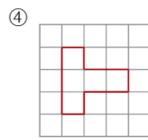
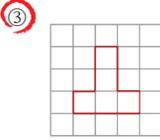
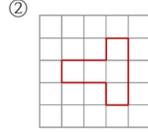
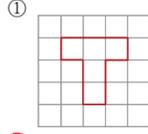
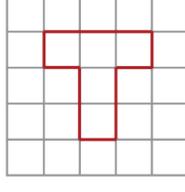
▶ 답:

▶ 정답: ㉡

해설

도형을 같은 방향으로 2번 뒤집으면 처음 도형과 같습니다.

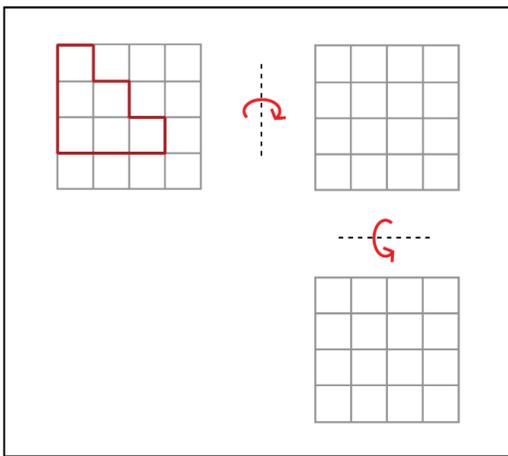
19. 다음 도형을 아래쪽으로 5번 뒤집었을 때의 도형은 어느 것입니까?



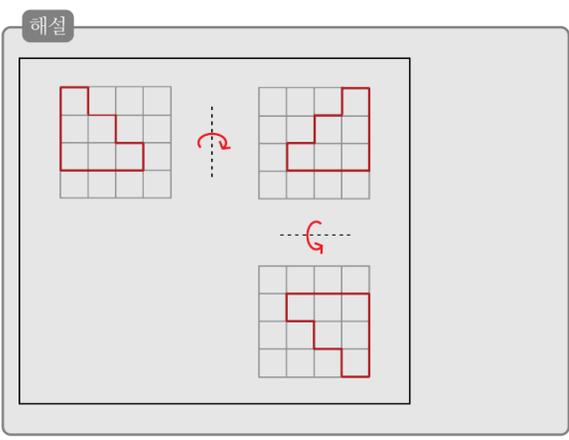
해설

아래쪽으로 5번 뒤집은 도형은 처음 도형을 아래쪽으로 1번 뒤집은 도형과 같습니다.

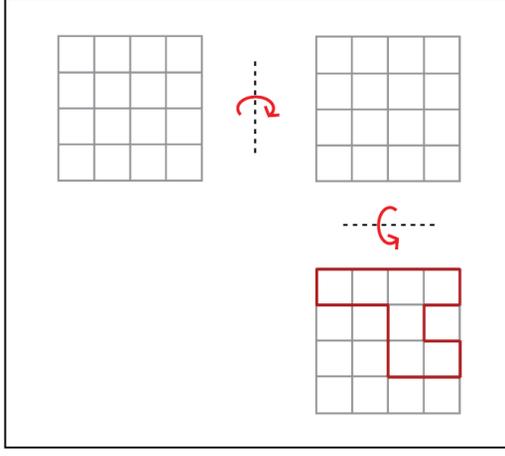
20. 도형을 오른쪽으로 뒤집은 다음 다시 아래쪽으로 뒤집었을 때의 모양은 어느 것입니까?

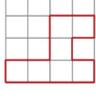
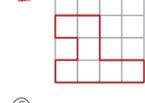
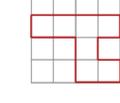
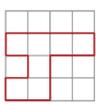
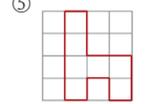


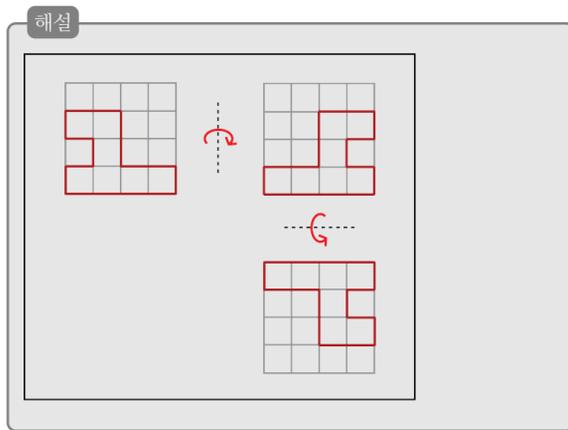
- ①
- ②
- ③
- ④
- ⑤



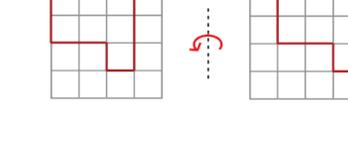
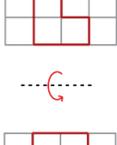
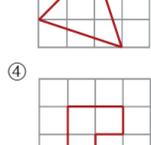
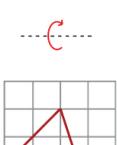
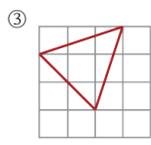
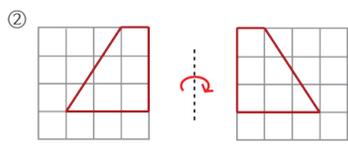
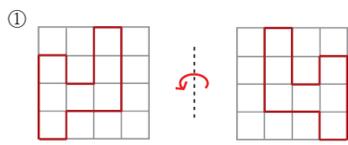
21. 다음과 같이 어떤 도형을 오른쪽으로 뒤집은 다음 다시 아래쪽으로 뒤집었습니다. 원래의 모양은 어느 것입니까?



- ① 
- ② 
- ③ 
- ④ 
- ⑤ 



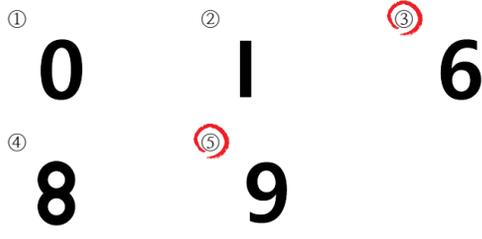
22. 다음 중 도형을 뒤집은 모양이 옳지 않은 것은 어느 것입니까?



해설

⑤

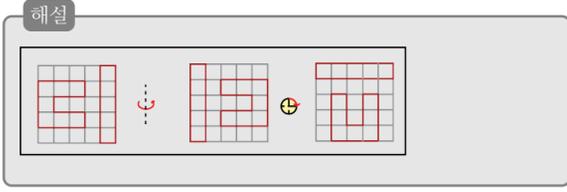
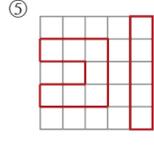
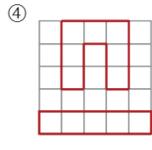
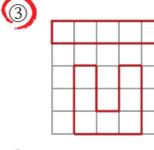
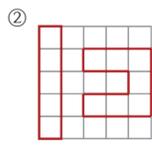
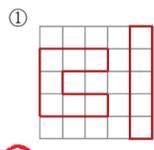
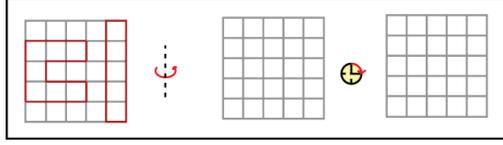
23. 다음 숫자 중 위쪽으로 뒤집었을 때 처음 모양과 같지 않은 것을 모두 고르시오.



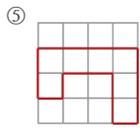
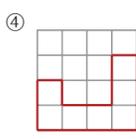
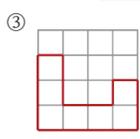
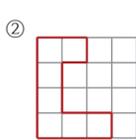
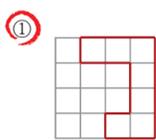
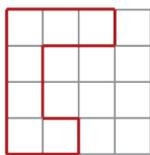
해설

③ 6 ⑤ 9

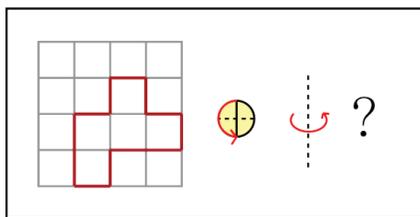
24. 도형을 오른쪽으로 뒤집고 시계 방향으로 90°만큼 돌렸을 때의 도형은 어느 것입니까?



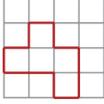
25. 도형을 아래쪽으로 뒤집고 시계 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



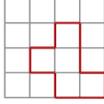
26. 도형을 시계 반대 방향으로 180°만큼 돌리고 오른쪽으로 뒤집었을 때의 도형은 어느 것입니까?



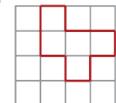
①



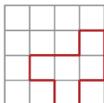
②



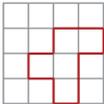
③



④

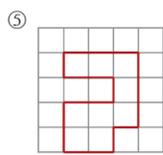
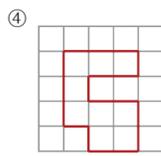
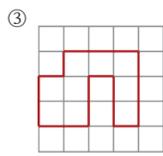
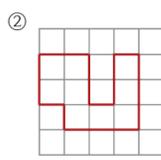
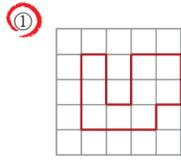
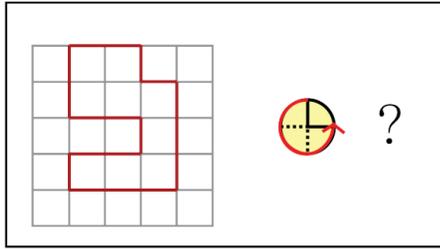


⑤



해설

27. 모양 조각을 시계 반대 방향으로 270°만큼 돌렸을 때의 모양은 어느 것입니까?



해설

- ② 돌려서 나올 수 없는 모양입니다.
- ③ 시계 반대 방향으로 90°만큼 돌린 모양입니다.
- ④ 시계 반대 방향으로 180°만큼 돌린 모양입니다.
- ⑤ 돌려서 나올 수 없는 모양입니다.

28. 다음 영어 알파벳 대문자 중 아래쪽으로 뒤집었을 때 처음 모양과 같지 않은 것은 어느 것입니까?

- ① O ② G ③ I
④ H ⑤ K

해설

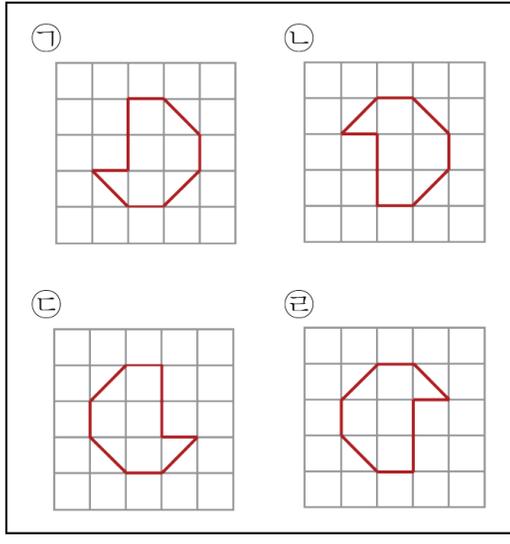
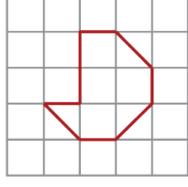
② C

29. 다음 영어 알파벳 대문자 중 왼쪽으로 뒤집어도 처음 모양과 같은 것은 어느 것입니까?

- ① A ② B ③ C
④ D ⑤ E

해설
② B ③ C ④ D ⑤ E

30. 다음 도형을 오른쪽으로 3번 뒤집었을 때의 도형을 고르시오.



▶ 답:

▶ 정답: ㉠

해설

오른쪽으로 3번 뒤집은 도형은 처음 도형을 오른쪽으로 1번 뒤집은 도형과 같습니다.