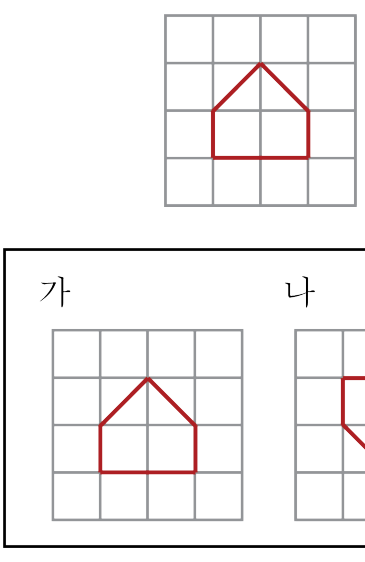
1. 도형을 시계 반대 방향으로 180°만큼 돌렸을 때의 도형을 가, 나 중 고르시오.

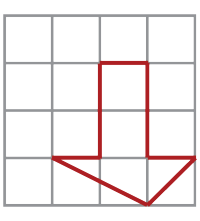


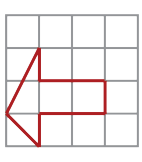
▶ 답 :

▷ 정답 : 나

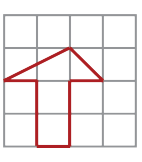
해설

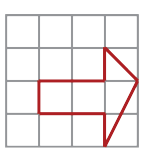
2. 어떤 도형을 시계 방향으로 90°만큼 돌린 도형이 다음과 같았을 때, 도형의 처음 모양은 어느 것입니까?

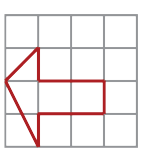


① 

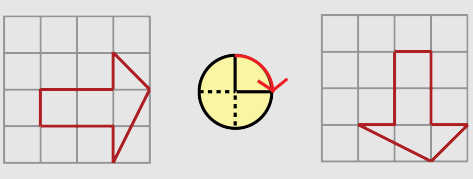
②

③ 

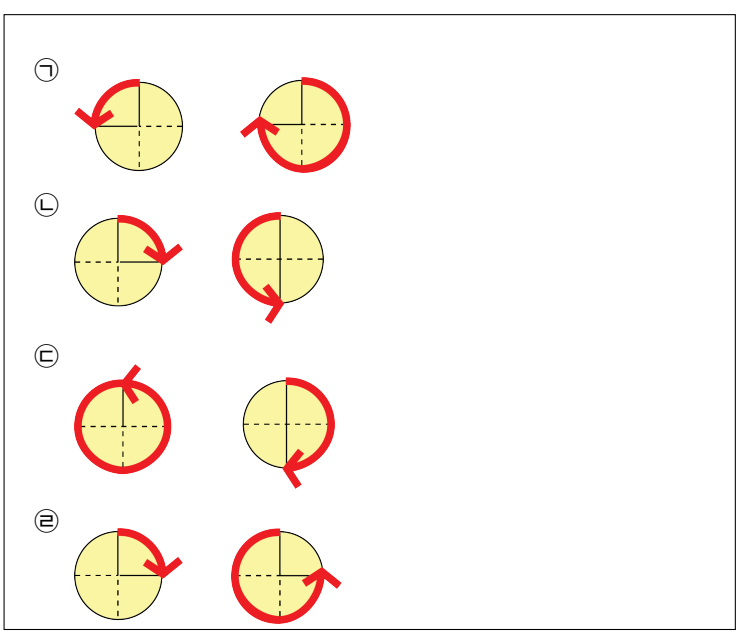
④ 

⑤ 

해설



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



▶ 답 :

▶ 답 :

▷ 정답 : ㉠

▷ 정답 : ㉣

해설

화살표 끝이 가리키는 위치가 같으면 도형을 돌렸을 때의 모양이 같습니다.

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

① ㄷ

② ㅋ

③ ㄹ

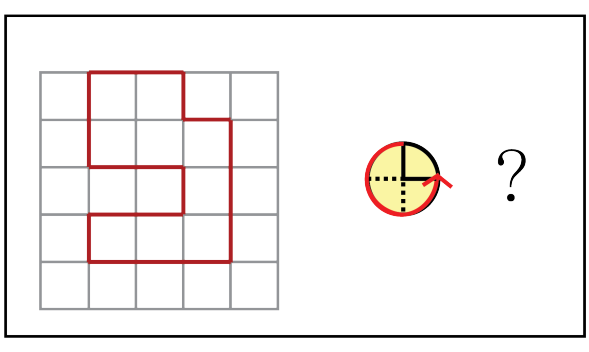
④ ㄴ

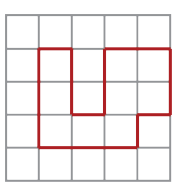
⑤ ㅅ

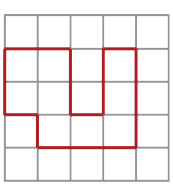
해설

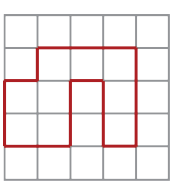
① ㄱ ② ㄴ ④ ㄱ ⑤ ㅅ

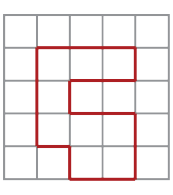
5. 모양 조각을 시계 반대 방향으로 270°만큼 돌렸을 때의 모양은 어느 것입니까?

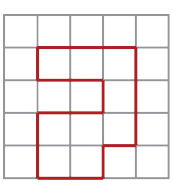


① 

② 

③ 

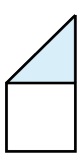
④ 

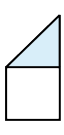
⑤ 

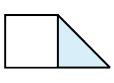
해설

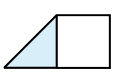
② 돌려서 나올 수 없는 모양입니다.
③ 시계 반대 방향으로 90°만큼 돌린 모양입니다.
④ 시계 반대 방향으로 180°만큼 돌린 모양입니다.
⑤ 돌려서 나올 수 없는 모양입니다.

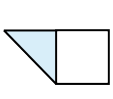
6. 모양 조각을 시계 반대 방향으로 90°만큼 돌렸을 때의 모양은 어느 것입니까?

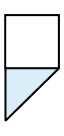


① 

② 

③ 

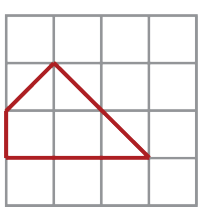
④ 

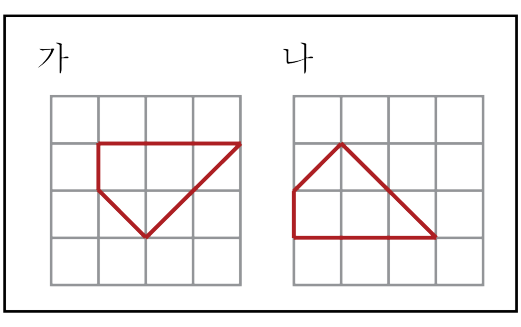
⑤ 

해설

모양 조각을 위쪽으로 뒤집으면 위쪽과 아래쪽이 서로 바뀝니다.

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





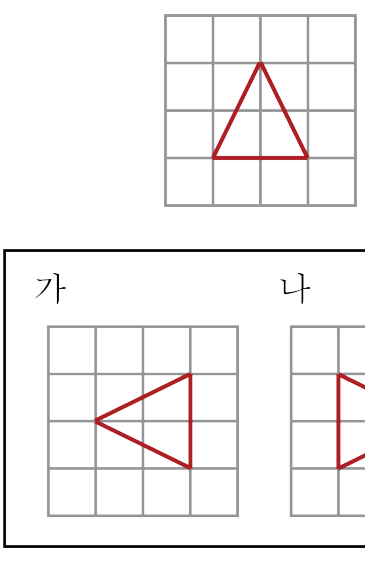
▶ 답 :

▷ 정답 : 나

해설

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

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

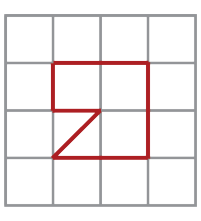


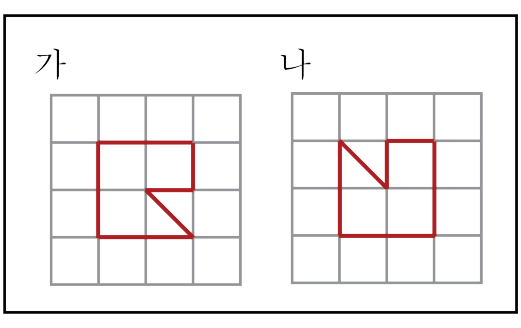
▶ 답 :

▷ 정답 : 가

해설

9. 도형을 시계 반대 방향으로 270°만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



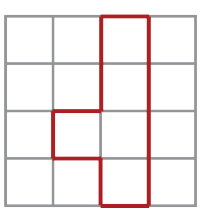


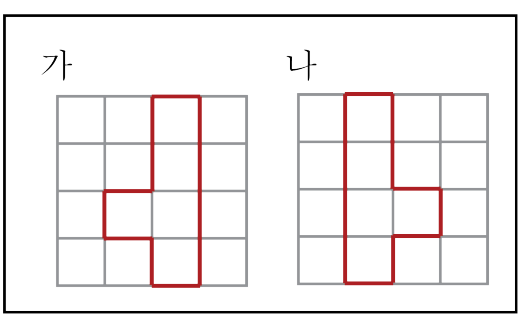
▶ 답 :

▷ 정답 : 나

해설

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





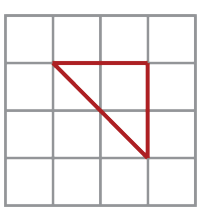
▶ 답 :

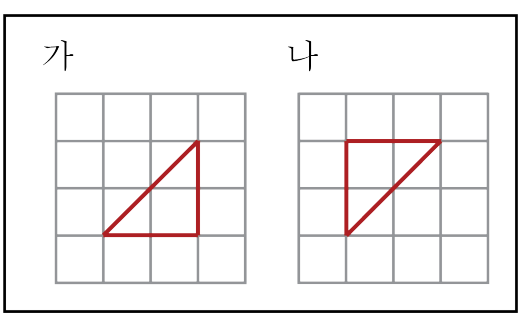
▷ 정답 : 가

해설

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

11. 도형을 시계 방향으로 270°만큼 돌렸을 때의 도형을 가, 나 중 고르시오.



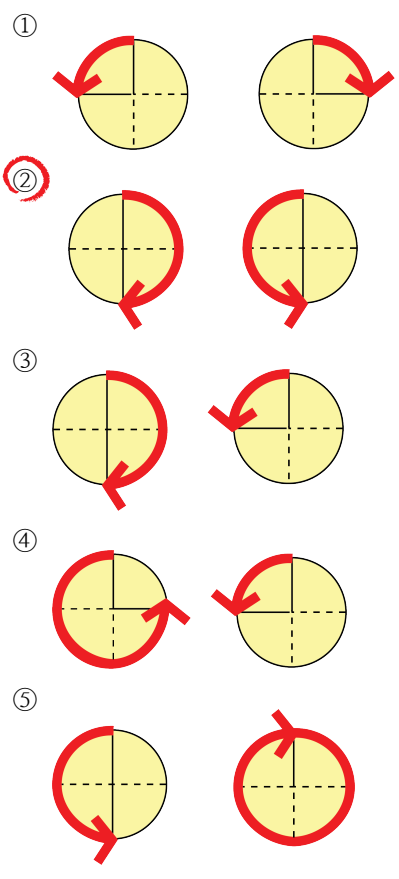


▶ 답 :

▷ 정답 : 나

해설

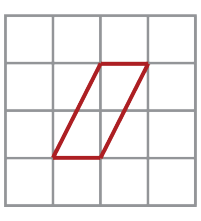
12. 다음 중 도형을 주어진 방향으로 돌렸을 때 같은 모양이 되는 것은 어느 것입니까?

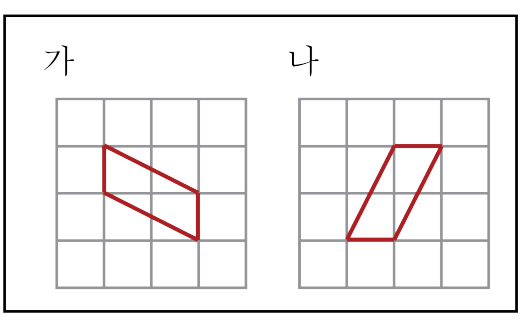


해설

화살표 끝이 가리키는 위치가 같으면 도형을 돌렸을 때의 모양이 같습니다.

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



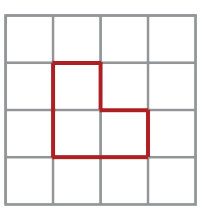


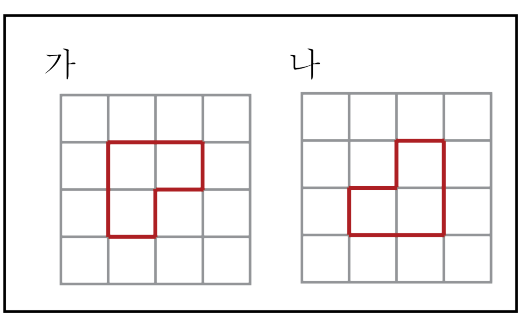
▶ 답 :

▷ 정답 : 나

해설

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



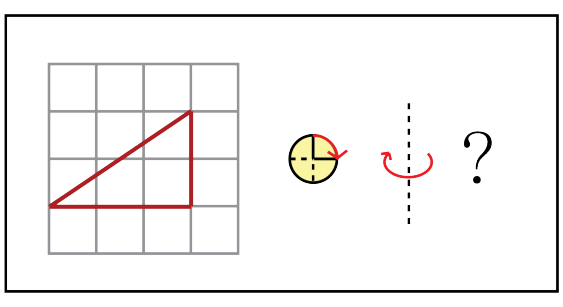


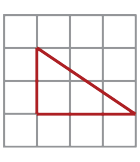
▶ 답 :

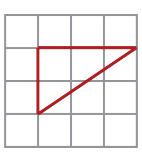
▷ 정답 : 가

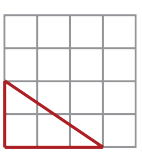
해설

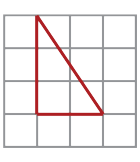
15. 도형을 시계 방향으로 90 °만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?

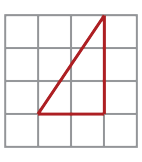


① 

② 

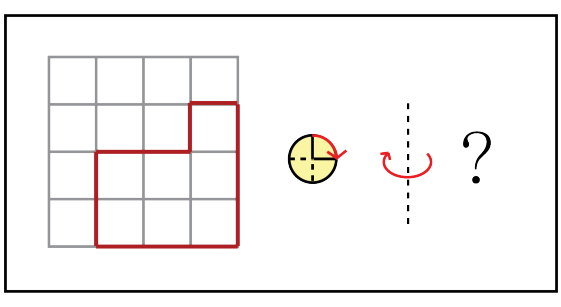
③ 

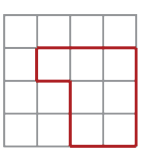
④ 

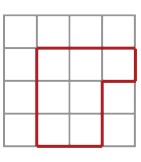
⑤ 

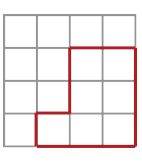
해설

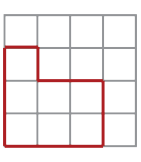
16. 도형을 시계 방향으로 90 °만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?

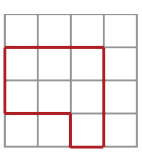


① 

② 

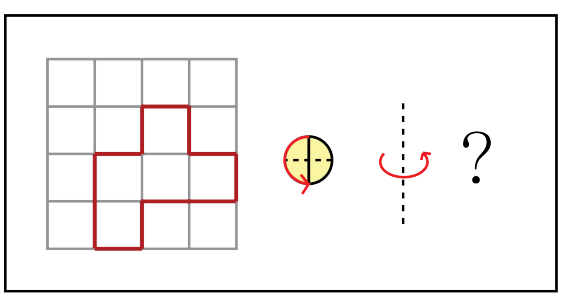
③ 

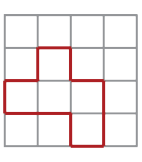
④ 

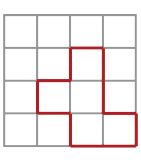
⑤ 

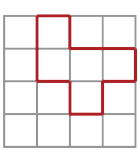
해설

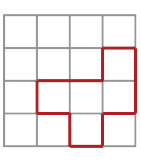
17. 도형을 시계 반대 방향으로 180°만큼 돌리고 오른쪽으로 뒤집었을 때의 도형은 어느 것입니까?

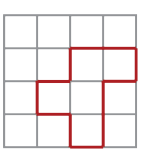


① 

② 

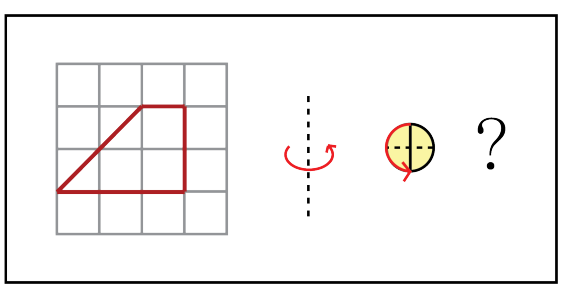
③ 

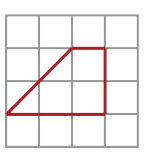
④ 

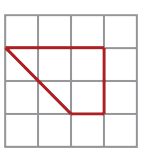
⑤ 

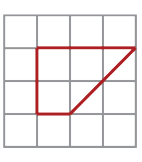
해설

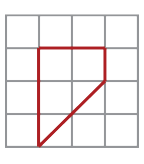
18. 도형을 오른쪽으로 뒤집고 시계 반대 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?

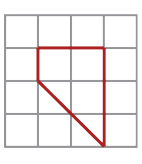


① 

② 

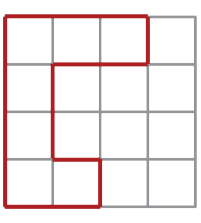
③ 

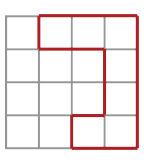
④ 

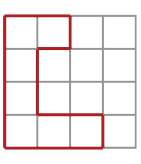
⑤ 

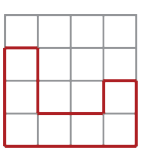
해설

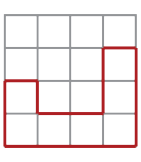
19. 도형을 아래쪽으로 뒤집고 시계 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?

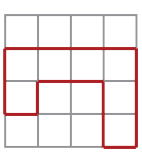


① 

② 

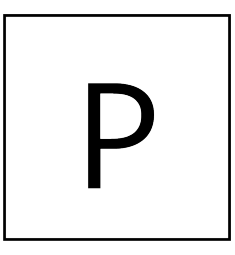
③ 

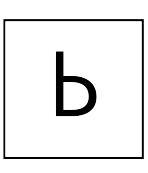
④ 

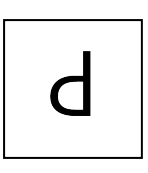
⑤ 

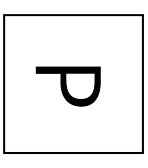
해설

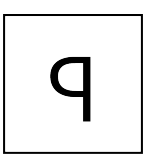
20. 알파벳 P를 시계 방향으로 180 °만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?

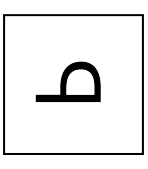


① 

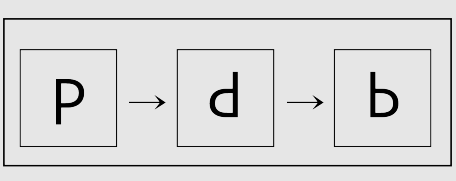
② 

③ 

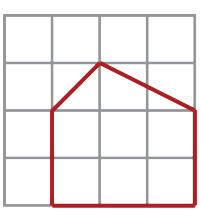
④ 

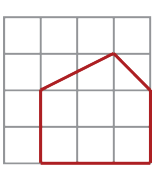
⑤ 

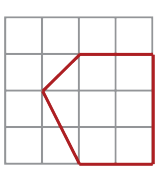
해설

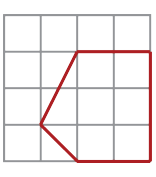


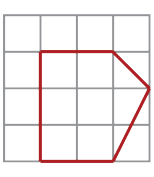
21. 도형을 시계 방향으로 270 °만큼 돌리고 위쪽으로 뒤집었을 때의 도형은 어느 것입니까?

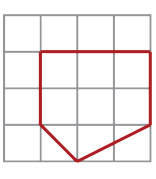


① 

② 

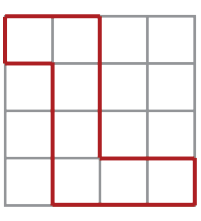
③ 

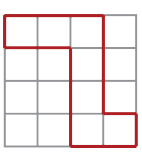
④ 

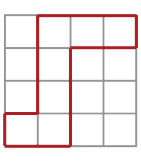
⑤ 

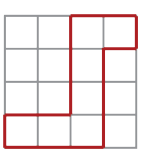
해설

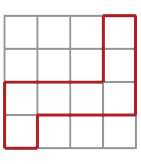
22. 도형을 위쪽으로 2번 뒤집고 시계 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?

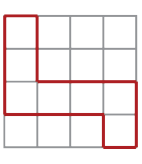


① 

② 

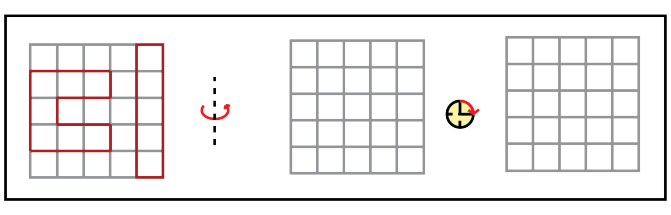
③ 

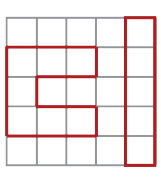
④ 

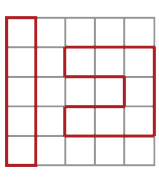
⑤ 

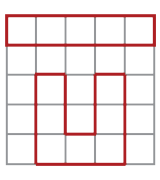
해설

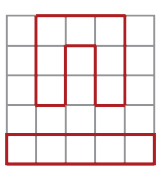
23. 도형을 오른쪽으로 뒤집고 시계 방향으로 90 °만큼 돌렸을 때의 도형은 어느 것입니까?

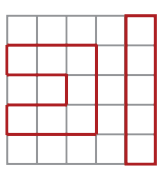


① 

② 

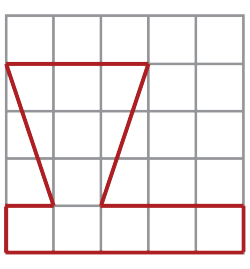
③ 

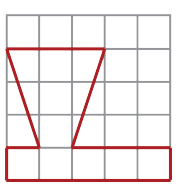
④ 

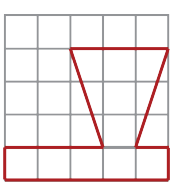
⑤ 

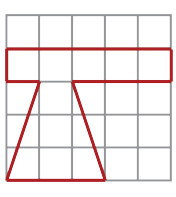
해설

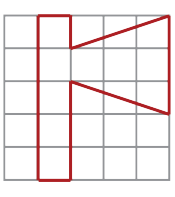
24. 도형을 아래쪽으로 4번 뒤집고 시계 반대 방향으로 90°만큼 돌렸을 때의 도형은 어느 것입니까?

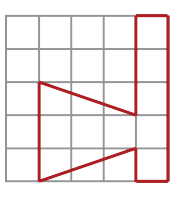


① 

② 

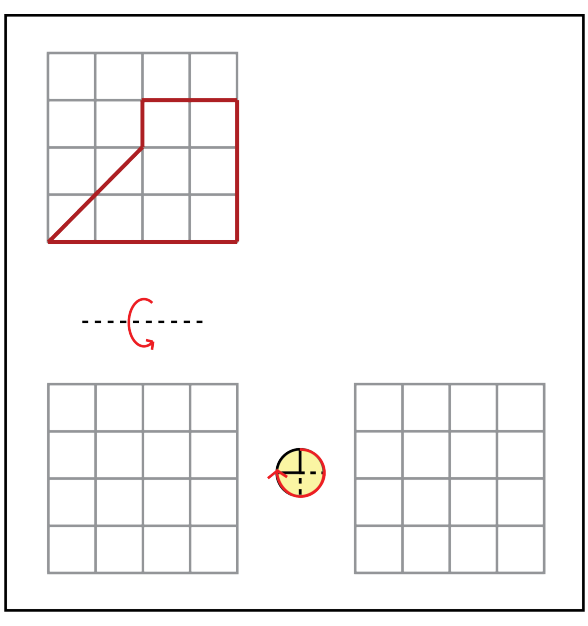
③ 

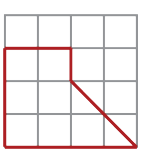
④ 

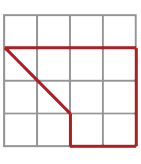
⑤ 

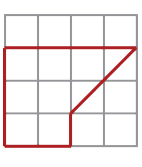
해설

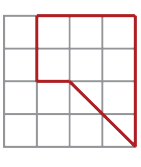
25. 도형을 아래쪽으로 뒤집고 시계 방향으로 270°만큼 돌렸을 때의 도형은 어느 것입니까?

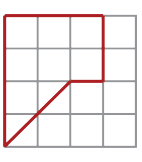


① 

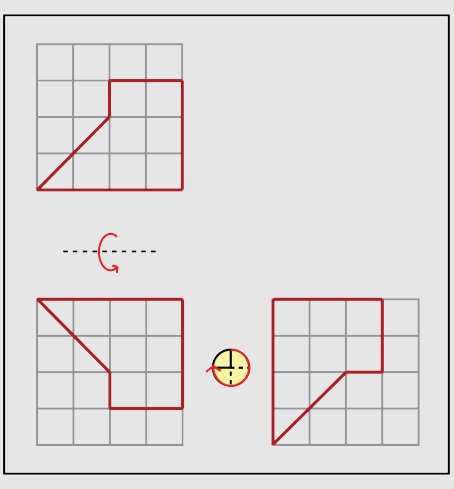
② 

③ 

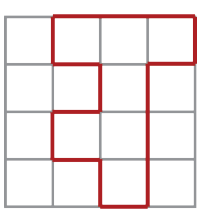
④ 

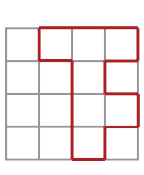
⑤ 

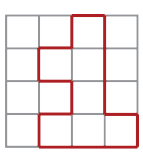
해설

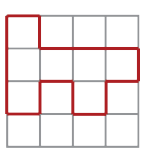


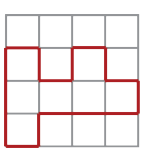
26. 도형을 아래쪽으로 뒤집고 시계 반대 방향으로 270 °만큼 돌렸을 때의 도형은 어느 것입니까?

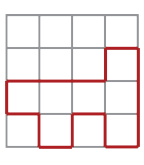


① 

② 

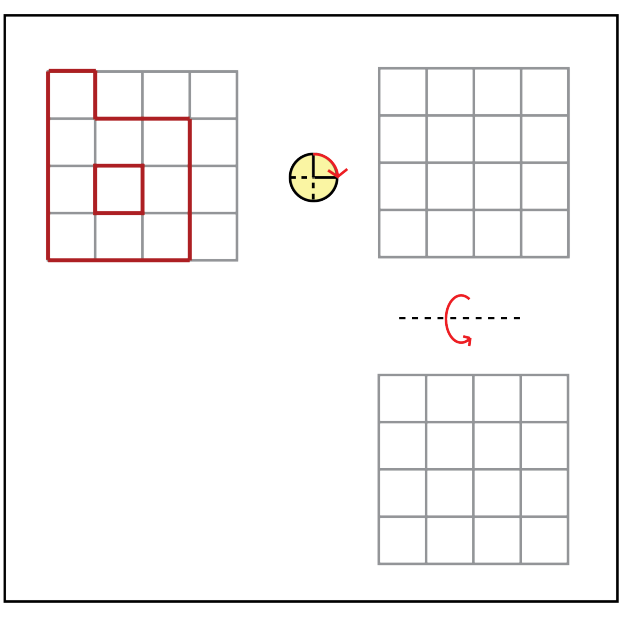
③ 

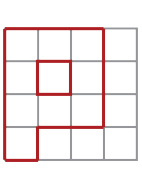
④ 

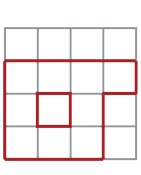
⑤ 

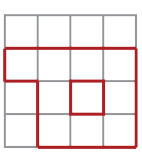
해설

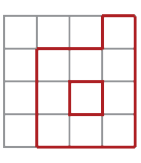
27. 도형을 시계 방향으로 90°만큼 돌리고 아래쪽으로 뒤집었을 때의 도형은 어느 것입니까?

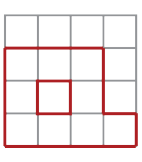


① 

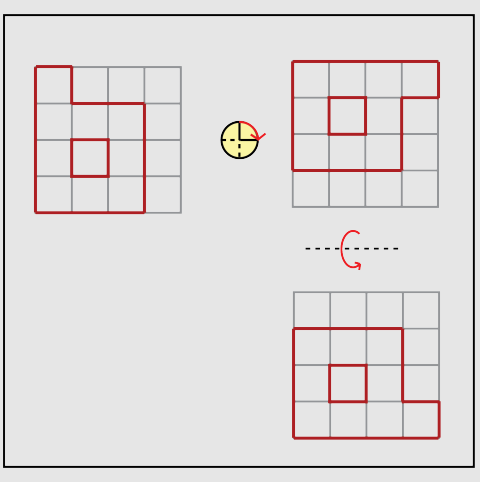
② 

③ 

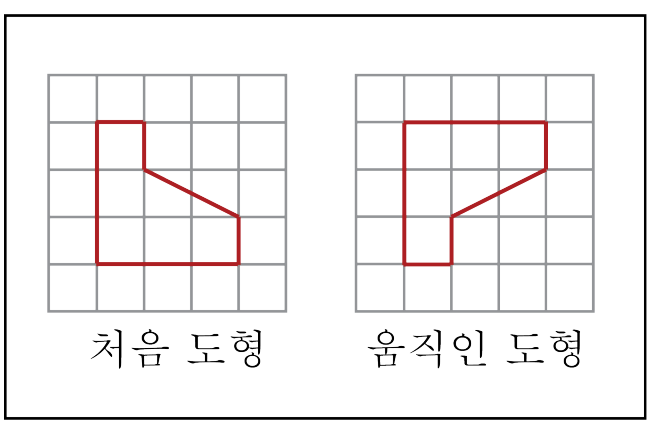
④ 

⑤ 

해설



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



㉠ 오른쪽으로 밀고 위쪽으로 뒤집기
㉡ 아래로 밀고 오른쪽으로 뒤집기
㉢ 시계 반대 방향으로 90°돌리고 아래쪽으로 뒤집기
㉣ 시계 방향으로 180°돌리고 왼쪽으로 뒤집기

▶ 답 :

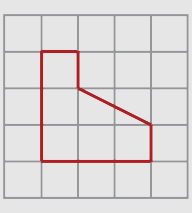
▶ 답 :

▷ 정답 : ㉠

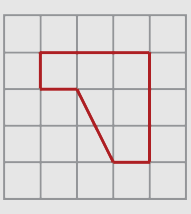
▷ 정답 : ㉣

해설

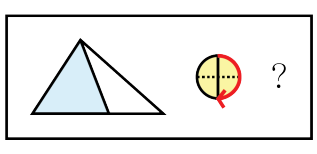
㉡

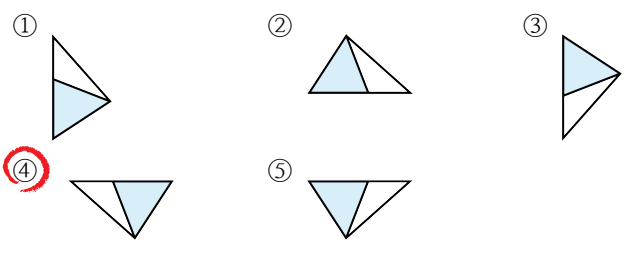


㉢



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





해설

① 시계 방향으로 90°만큼 돌린 모양입니다.
② 시계 방향으로 360°만큼 돌린 모양입니다.
③ 돌려서 나올 수 없는 모양입니다.
⑤ 돌려서 나올 수 없는 모양입니다.