

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

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**A**

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**B**

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**C**

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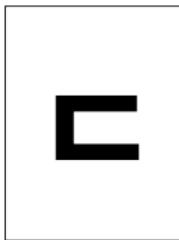
**D**

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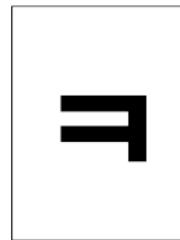
**E**

2. 시계 방향으로  $180^{\circ}$ 만큼 돌렸을 때의 모양이 같은 것은 어느 것입니까?

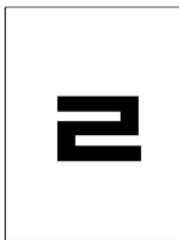
①



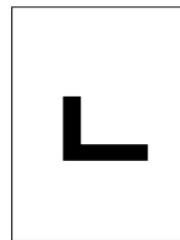
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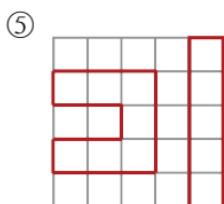
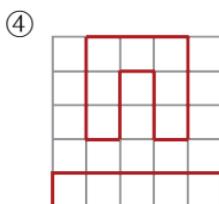
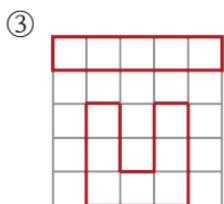
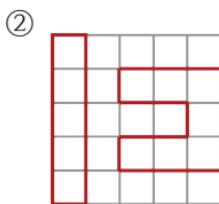
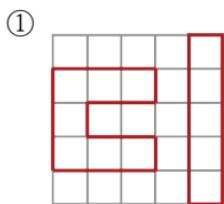
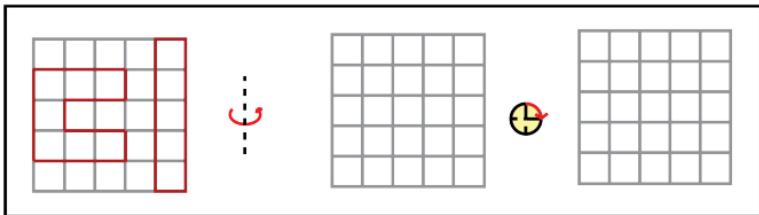
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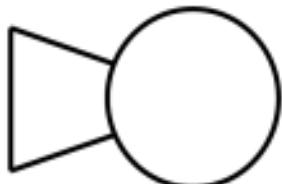


3. 도형을 오른쪽으로 뒤집고 시계 방향으로  $90^{\circ}$ 만큼 돌렸을 때의 도형은 어느 것입니까?



4. 다음 중 뒤집기 하여 같은 무늬를 얻을 수 있는 것은 어느 것입니까?

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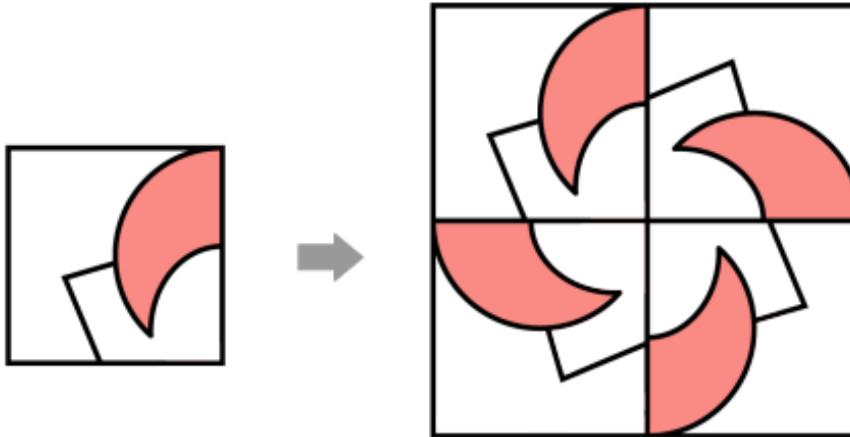
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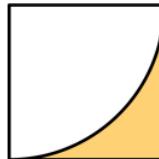


5. 오른쪽의 무늬는 왼쪽의 모양을 한 가지 방법으로 움직여서 만든 무늬입니다. 어떻게 움직여서 만든 것입니까?

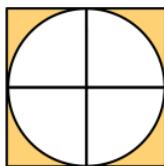


- ① 밀기
- ② 뒤집기
- ③ 돌리기
- ④ 밀고 뒤집기
- ⑤ 뒤집고 돌리기

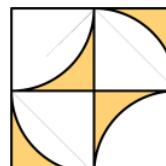
6. 다음 그림과 같은 모양 조각으로 만들 수 없는 무늬는 어느 것인지 고르시오.



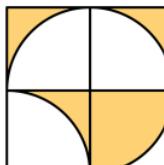
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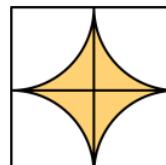
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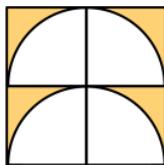
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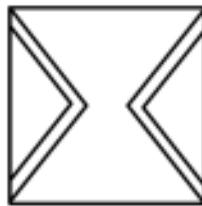


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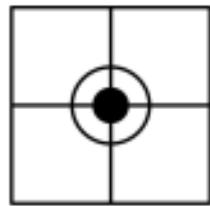


7. 다음 중 뒤집기를 한 무늬와 돌리기를 한 무늬가 다르게 될 수 있는 모양은 어느 것입니까?

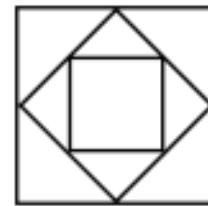
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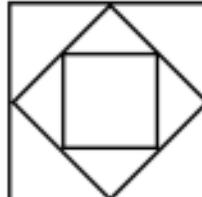
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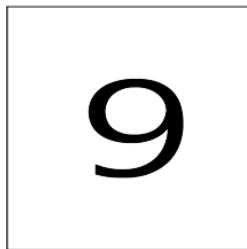
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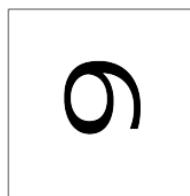
8. 다음 숫자 카드를 아래로 밀었을 때의 모양은 어느 것입니까?



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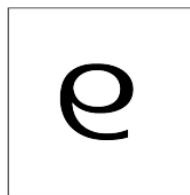
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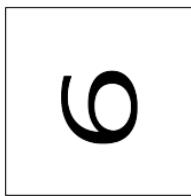
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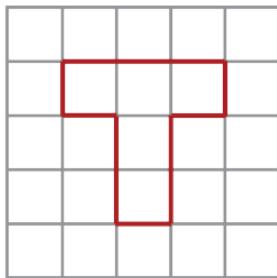
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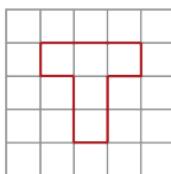
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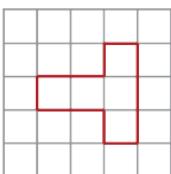
9. 다음 도형을 아래쪽으로 5번 뒤집었을 때의 도형은 어느 것입니까?



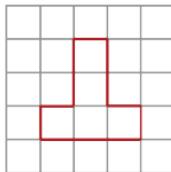
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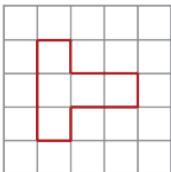
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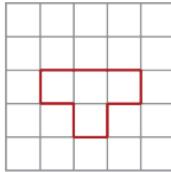
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10. 다음 숫자 중 위쪽으로 뒤집었을 때 처음 모양과 같지 않은 것을 모두 고르시오.

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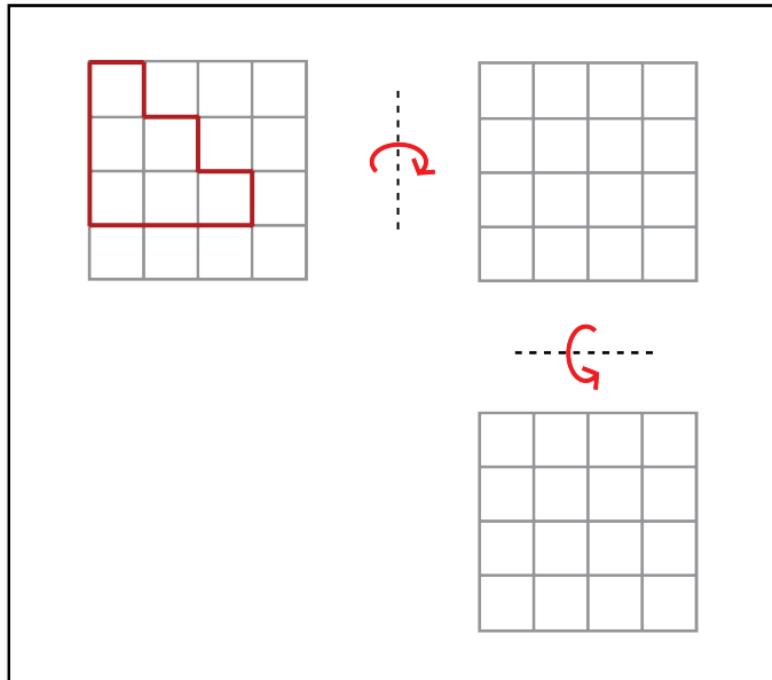
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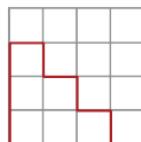
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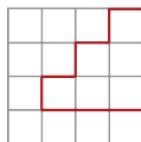
11. 도형을 오른쪽으로 뒤집은 다음 다시 아래쪽으로 뒤집었을 때의 모양은 어느 것입니까?



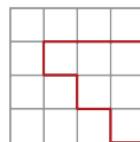
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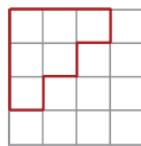
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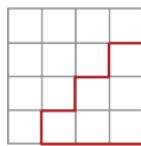
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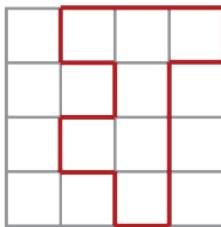
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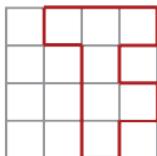
12. 다음 중 도형을 뒤집었을 때의 모양이 나머지와 다른 하나는 어느 것입니까?

- ① 오른쪽으로 4 번 뒤집기
- ② 왼쪽으로 3 번 뒤집기
- ③ 위쪽으로 2 번 뒤집기
- ④ 아래쪽으로 6 번 뒤집기
- ⑤ 오른쪽으로 1 번, 왼쪽으로 1 번 뒤집기

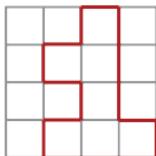
13. 도형을 아래쪽으로 뒤집고 시계 반대 방향으로  $270^{\circ}$ 만큼 돌렸을 때의 도형은 어느 것입니까?



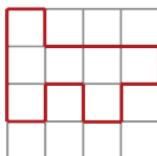
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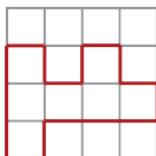
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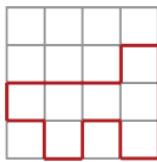
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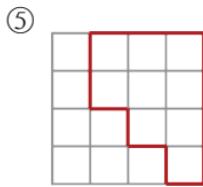
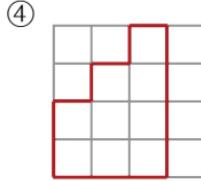
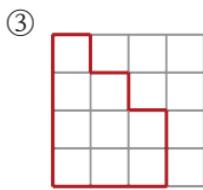
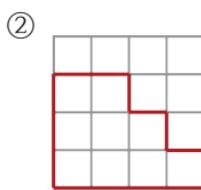
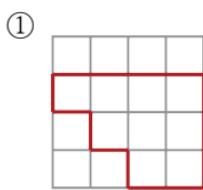
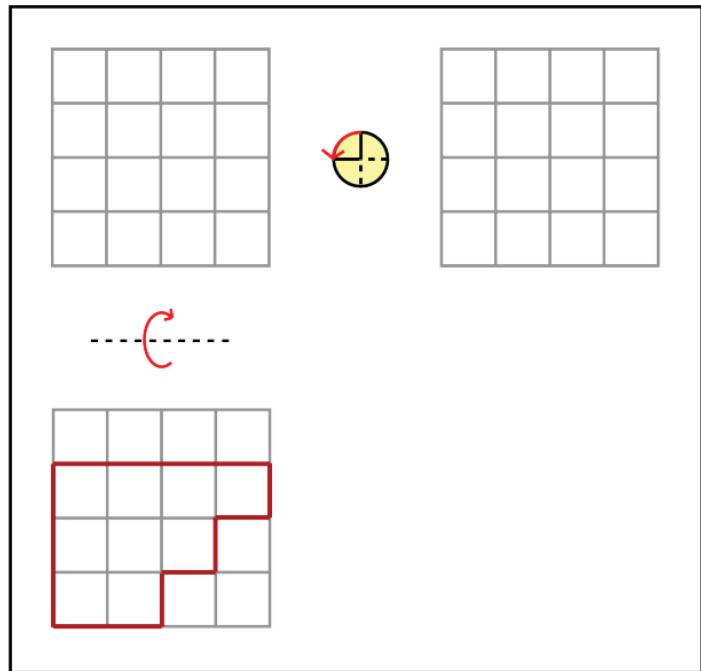
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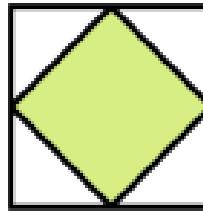


14. 도형을 위쪽으로 뒤집고 시계 반대 방향으로  $90^{\circ}$ 만큼 돌렸을 때의 도형은 어느 것입니까?

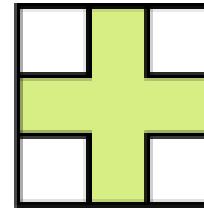


15. 다음 무늬 중에서 돌리기를 할 때와 뒤집기를 할 때, 원래의 모양과 같은 모양이 되지 않는 무늬는 어느 것인지 모두 골라라.

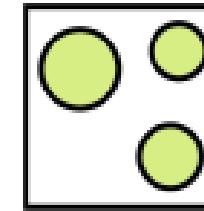
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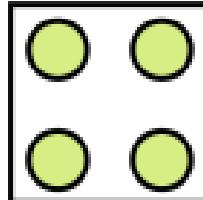
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