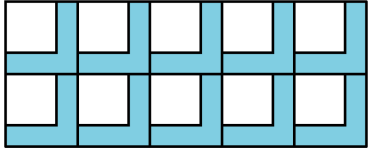


1. 다음 무늬는 어떤 모양을 밀기 방법을 이용하여 만든 것입니까?



①



②



③



④



⑤



2. 밑기를 이용하여 만든 무늬와 뒤집기를 이용하여 만든 무늬가 같은 모양은 어느 것입니까?

①



②



③



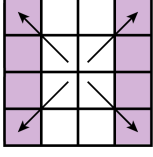
④



⑤

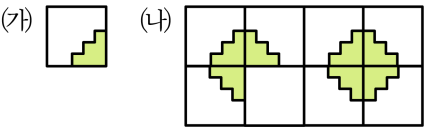


3. 다음 무늬는 어떤 한 가지 모양을 이어서 붙여 만든 것입니다. 다음
중 어떤 규칙을 사용한 것인지 고르시오.



- ① 겹치기
- ② 뒤틀기
- ③ 밀기
- ④ 옮기기
- ⑤ 돌리기

4. (나)무늬에서 빈 곳에 들어가는 모양은 (가)무늬를 가지고 어떤 방법을 사용하여 만들겠습니까?

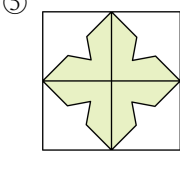
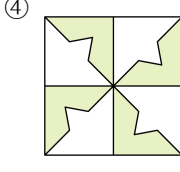
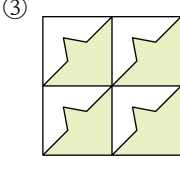
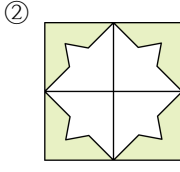
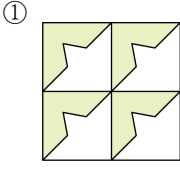
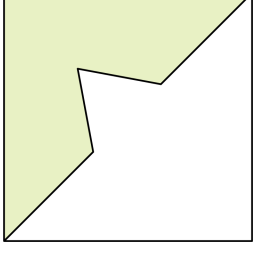


- ① 밀기

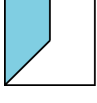
② 반바퀴 돌리기
- ③ 뒤집기

④ 한바퀴 돌리기
- ⑤ 반의반바퀴 돌리기

5. 다음 모양으로 만들 수 없는 무늬는 어느 것입니까?



6. 다음 모양을 돌리기 하여 나올 수 있는 모양이 아닌 것을 모두 고르시오.



①



②



③



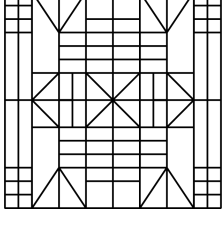
④



⑤

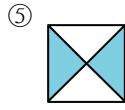
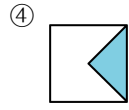
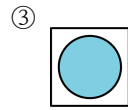
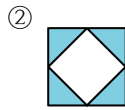
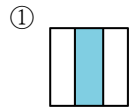


7. 다음 무늬를 움직여서 처음 무늬와 같도록 만들려고 합니다. 움직이는 방법으로 알맞은 것을 모두 고르시오.(답 3개)

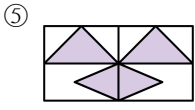
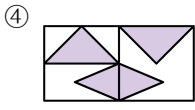
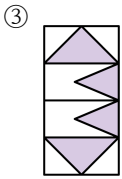
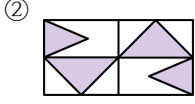
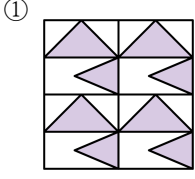
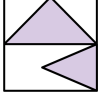


- ① 위로 뒤집기
- ② 왼쪽으로 뒤집기
- ③ 180°로 돌리기
- ④ 90°로 돌리기
- ⑤ 밀기

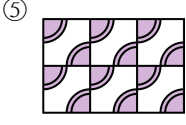
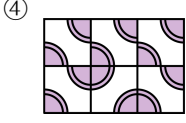
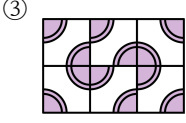
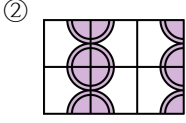
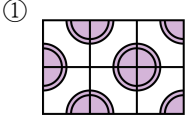
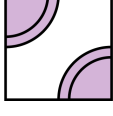
8. 다음 중 뒤집기 한 모양과 밀기 한 모양이 다르게 될 수 있는 것을 고르시오.



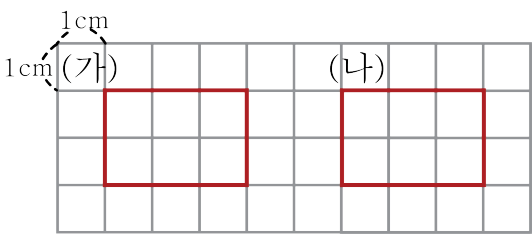
9. 다음 모양을 밀기, 뒤집기, 돌리기를 하여 이어 붙여서
무늬를 만들 때, 만들 수 없는 무늬는 어느 것입니까?



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

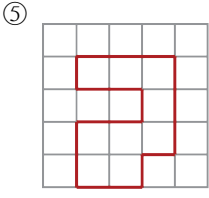
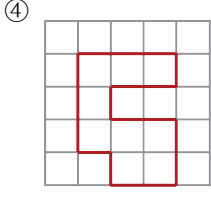
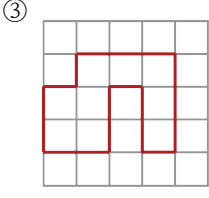
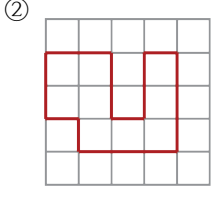
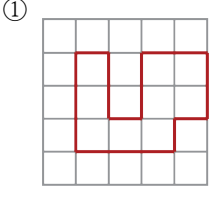
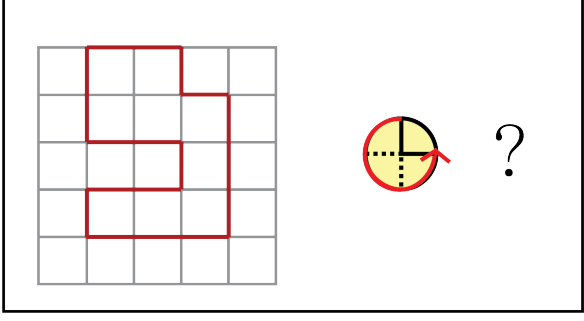


11. 다음 도형의 이동에 대한 설명으로 옳은 것은 어느 것입니까?

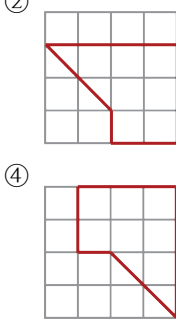
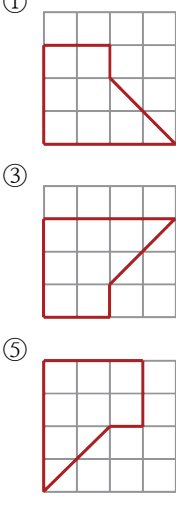
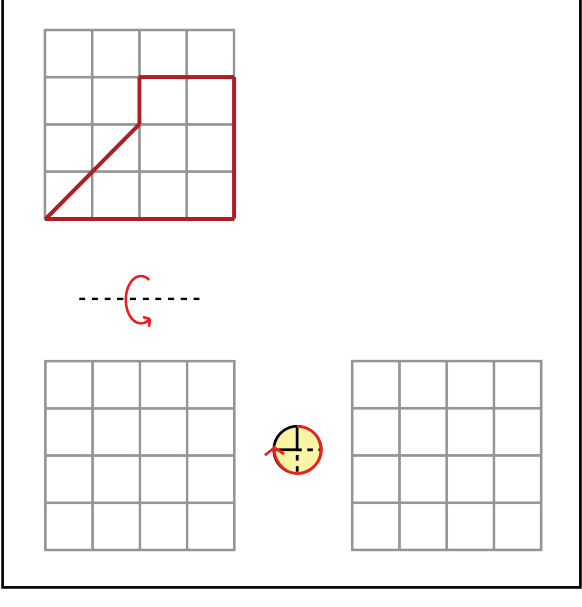


- ① (가) 도형은 (나) 도형을 왼쪽으로 2cm 밀었을 때의 모양입니다.
- ② (가) 도형은 (나) 도형을 오른쪽으로 5cm 밀었을 때의 모양입니다.
- ③ (나) 도형은 (가) 도형을 왼쪽으로 2cm 밀었을 때의 모양입니다.
- ④ (나) 도형은 (가) 도형을 오른쪽으로 5cm 밀었을 때의 모양입니다.
- ⑤ (나) 도형은 (가) 도형을 오른쪽으로 8cm 밀었을 때의 모양입니다.

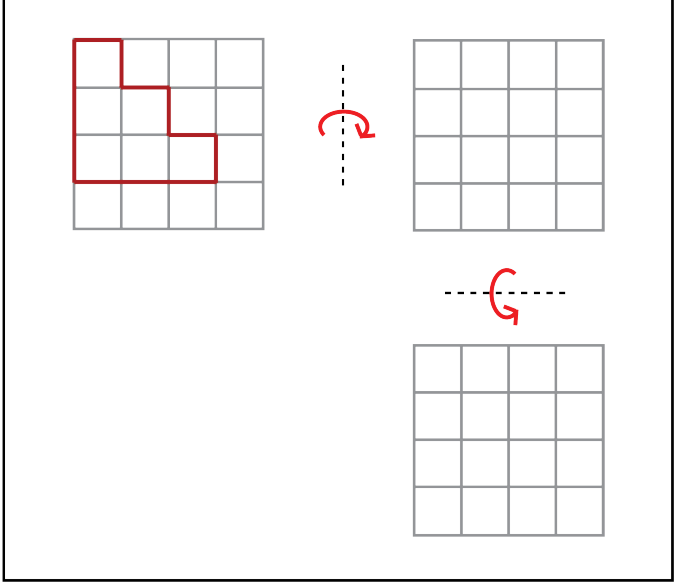
12. 모양 조각을 시계 반대 방향으로 270°만큼 돌렸을 때의 모양은 어느 것입니까?



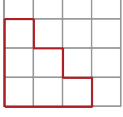
13. 도형을 아래쪽으로 뒤집고 시계 방향으로 270°만큼 돌렸을 때의 도형은 어느 것입니까?



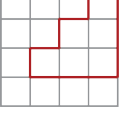
14. 도형을 오른쪽으로 뒤집은 다음 다시 아래쪽으로 뒤집었을 때의 모양은 어느 것입니까?



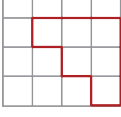
①



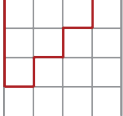
②



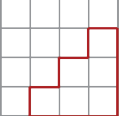
③



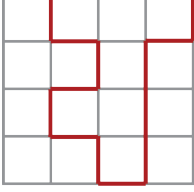
④



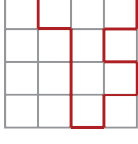
⑤



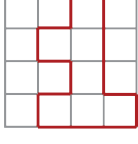
15. 도형을 아래쪽으로 뒤집고 시계 반대 방향으로 270°만큼 돌렸을 때의 도형은 어느 것입니까?



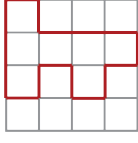
①



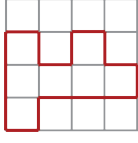
②



③



④



⑤

