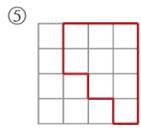
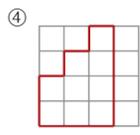
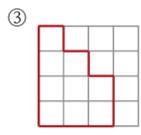
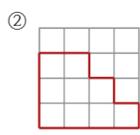
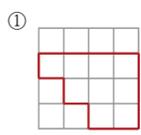
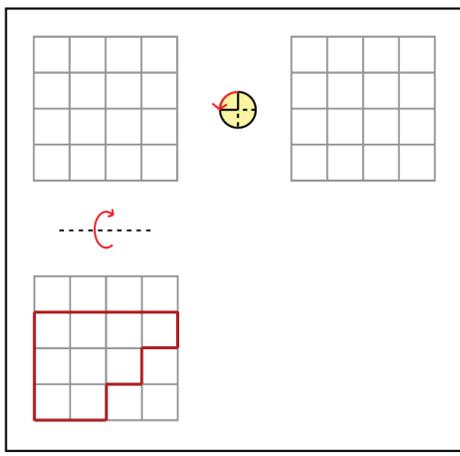


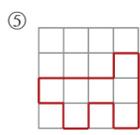
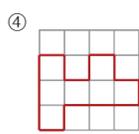
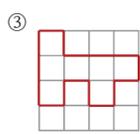
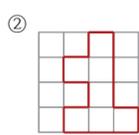
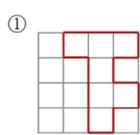
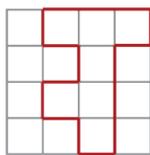
1. 다음 무늬 중에서 돌리기를 할 때와 뒤집기를 할 때, 원래의 모양과 같은 모양이 되지 않는 무늬는 어느 것인지 모두 골라라.



2. 도형을 위쪽으로 뒤집고 시계 반대 방향으로 90°만큼 돌렸을 때의 도형은 어느 것입니까?

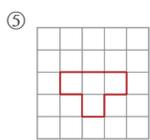
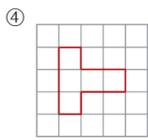
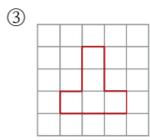
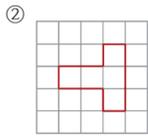
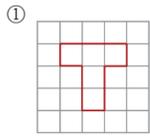
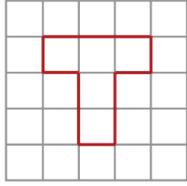


3. 도형을 아래쪽으로 뒤집고 시계 반대 방향으로 270°만큼 돌렸을 때의 도형은 어느 것입니까?

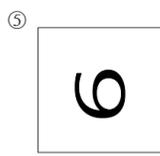
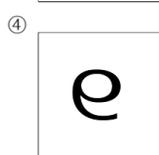
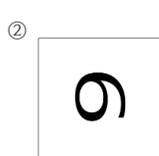
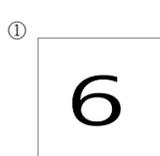
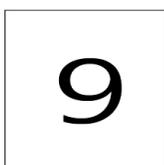


4. 다음 중 도형을 뒤집었을 때의 모양이 나머지와 다른 하나는 어느 것입니까?
- ① 오른쪽으로 4번 뒤집기
 - ② 왼쪽으로 3번 뒤집기
 - ③ 위쪽으로 2번 뒤집기
 - ④ 아래쪽으로 6번 뒤집기
 - ⑤ 오른쪽으로 1번, 왼쪽으로 1번 뒤집기

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



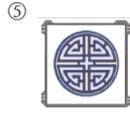
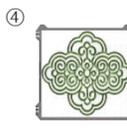
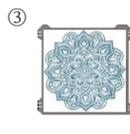
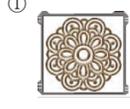
6. 다음 숫자 카드를 아래로 밀었을 때의 모양은 어느 것입니까?



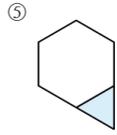
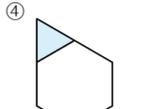
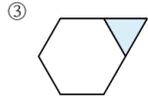
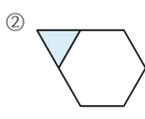
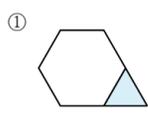
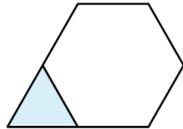
7. 다음 중 뒤집기를 한 무늬와 돌리기를 한 무늬가 다르게 될 수 있는 모양은 어느 것입니까?



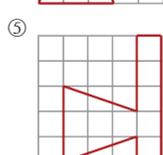
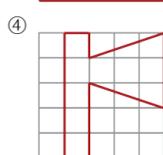
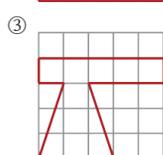
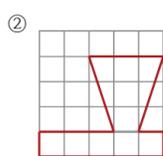
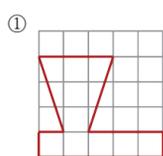
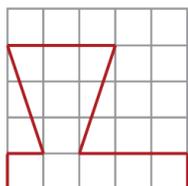
8. 다음 무늬 중 180° 돌리기 하여 처음과 똑같은 무늬를 얻을 수 없는 것은 어느 것인지 고르시오.



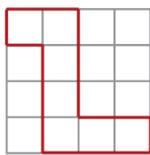
9. 도형을 위로 밀고 오른쪽으로 4번 뒤집고 시계 반대 방향으로 90°만큼 3번 돌렸을 때의 도형은 어느 것입니까?



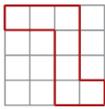
10. 도형을 아래쪽으로 4번 뒤집고 시계 반대 방향으로 90°만큼 돌렸을 때의 도형은 어느 것입니까?



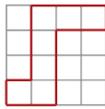
11. 도형을 위쪽으로 2번 뒤집고 시계 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



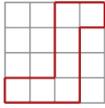
①



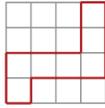
②



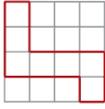
③



④



⑤



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



①



②



③



④



⑤



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

① O

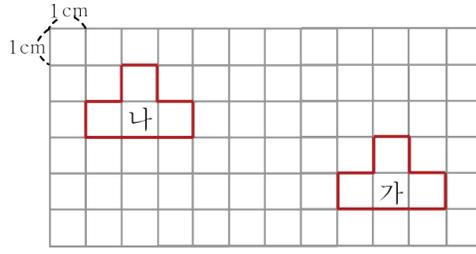
② G

③ I

④ H

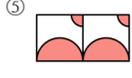
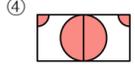
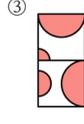
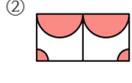
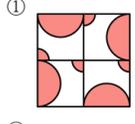
⑤ K

14. 가 도형에 대한 설명으로 옳은 것은 어느 것입니까?

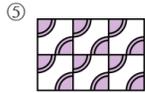
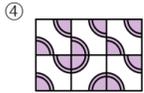
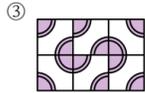
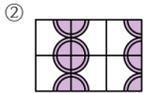
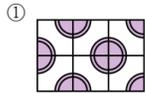


- ① 나 도형을 오른쪽으로 4 cm 민 도형입니다.
- ② 나 도형을 아래쪽으로 2 cm 민 도형입니다.
- ③ 나 도형을 오른쪽으로 4 cm, 아래쪽으로 2 cm 민 도형입니다.
- ④ 나 도형을 오른쪽으로 7 cm, 아래쪽으로 2 cm 민 도형입니다.
- ⑤ 나 도형을 왼쪽으로 7 cm, 위쪽으로 4 cm 민 도형입니다.

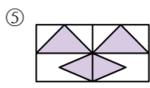
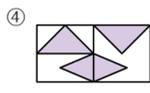
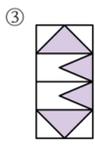
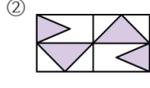
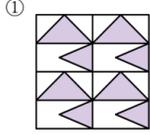
15. 다음 모양을 밀기, 뒤집기, 돌리기를 하여 이어 붙여서 무늬를 만들 때, 만들 수 없는 무늬는 어느 것입니까?



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



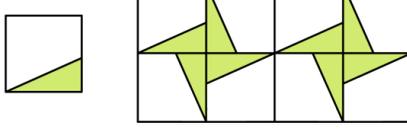
17. 다음 모양을 밀기, 뒤집기, 돌리기를 하여 이어 붙여서 무늬를 만들 때, 만들 수 없는 무늬는 어느 것입니까?



18. 다음 중 뒤집기 한 모양과 밑기 한 모양이 다르게 될 수 있는 것을 고르시오.

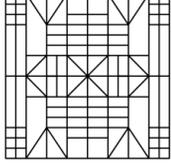


19. 다음 무늬 만들기에서 사용한 모든 방법을 고르시오.



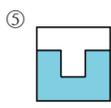
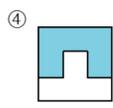
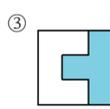
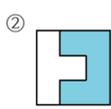
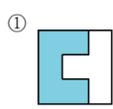
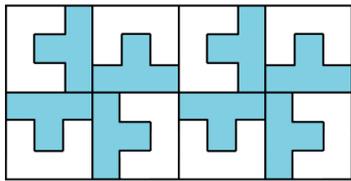
- ① 밑기
- ② 밑기, 뒤집기
- ③ 뒤집기, 돌리기
- ④ 뒤집기
- ⑤ 밑기, 돌리기

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

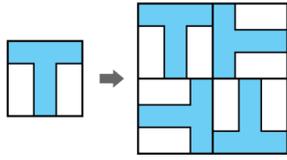


- ① 위로 뒤집기
- ② 왼쪽으로 뒤집기
- ③ 180°로 돌리기
- ④ 90°로 돌리기
- ⑤ 밑기

21. 다음 무늬는 어떤 모양을 돌리기 한 것입니까?



22. 오른쪽 무늬는 왼쪽의 모양을 한 가지 방법으로 움직여서 만든 무늬입니다. 어떻게 움직여서 만든 것입니까?



- ① 밀기 ② 뒤집기 ③ 돌리기
- ④ 밀고 뒤집기 ⑤ 뒤틀기

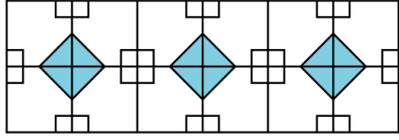
23. 풍차의 날개 부분의 모양을 만드는 방법으로 가장 알맞은 것은 어느 것인지 고르시오.

- ① 겹치고 뒤틀기 ② 뒤집고 밀기 ③ 뒤집고 돌리기
④ 돌리기 ⑤ 밀기

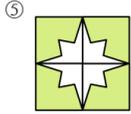
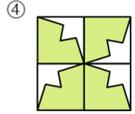
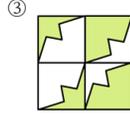
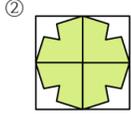
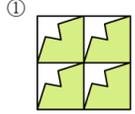
24. 다음 모양을 돌리기 하여 나올 수 있는 모양이 아닌 것을 모두 고르시오.



25. 다음 무늬는 어떤 모양을 사용하여 만든 것입니까?



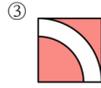
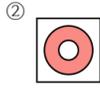
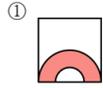
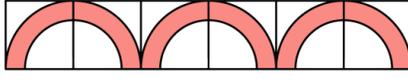
26. 다음 모양으로 만들 수 없는 무늬는 어느 것입니까?



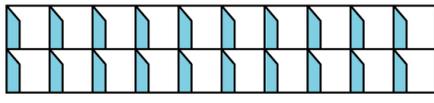
27. 바람개비의 날개 부분의 모양을 만드는 방법으로 가장 알맞은 것은 어느 것인지 고르시오.

- ① 겹치고 뒤틀기 ② 뒤집고 밀기 ③ 뒤집고 돌리기
④ 돌리기 ⑤ 밀기

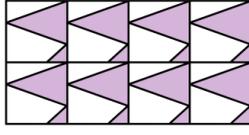
28. 다음 무늬는 어떤 모양을 뒤집어 가며 이어 붙여서 만든 모양입니까?



29. 다음 무늬는 어떤 모양을 밀기 방법을 이용하여 만든 무늬입니까?



30. 다음 무늬를 꾸밀 때 가장 알맞은 방법은 어느 것입니까?



- ① 돌리기 ② 밀기 ③ 뒤집기
- ④ 자르기 ⑤ 접기