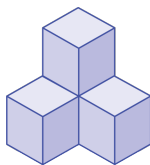
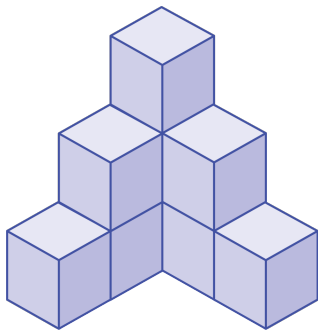
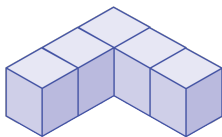


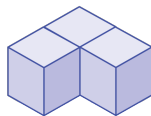
1. 쌓기나무 9개를 다음 그림과 같이 쌓았습니다. 맨 아랫층의 모양은 어느 것입니까?



㉠



㉡



㉢



㉣

▶ 답 :

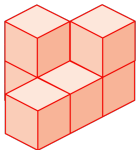
▶ 정답 : ㉡

해설

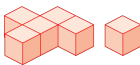
아래로 내려갈수록 양끝으로 2개씩 늘어나는
규칙이므로 맨 아랫층의 쌓기나무는
모두 5개이고, 모양은 ㉡과 같습니다.

2. 두 부분을 합쳤을 때, <보기>와 같은 모양이 아닌 것은 어느 것입니까?

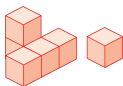
보기



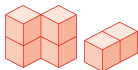
①



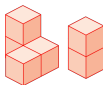
②



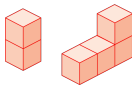
③



④



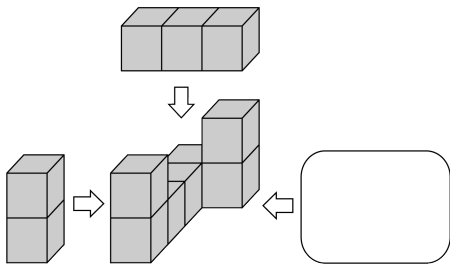
⑤



해설

①은 1 개를 더 위로 쌓아야 보기의 모양이 나옵니다.

3. 아래 모양을 몇 개의 부분으로 나누어 쌓으려고 할 때, 빈 칸에 들어갈 모양은 어느 것인가?



①



②



③



④

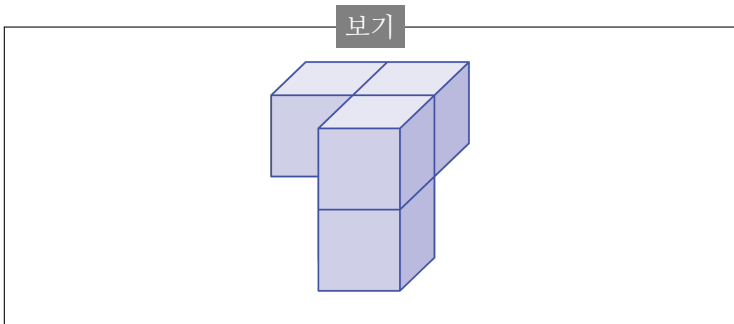


⑤ 답 없음

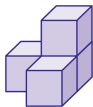
해설

원래 쌓기나무 모양에서 나누어진 부분을 차례로 지우며 생각해 봅니다.

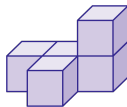
4. 다음 중 보기의 모양과 합하였을 때 상자 모양이 되는 것은 어느 것인지 고르시오.



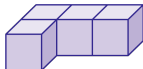
①



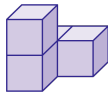
②



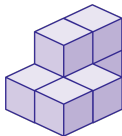
③



④



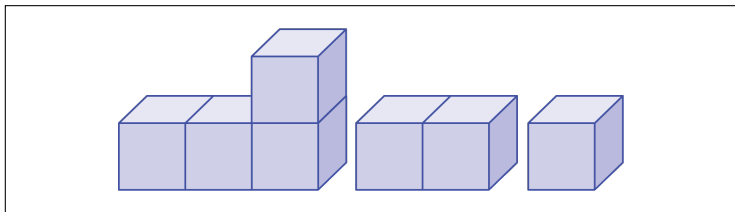
⑤



해설

상자 모양이 되도록 빈 부분에 넣을 모양을 그립니다. 상자 모양을 이루려면 4개의 쌓기나무가 필요합니다. 쌓기나무로 빈 곳에 채워지는 모양을 만들어 봅니다.

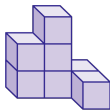
5. 다음 중 <보기>의 쌓기나무로 쌓은 모양이 아닌 것은 어느 것인지 고르시오.



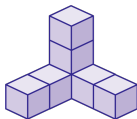
①



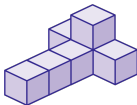
②



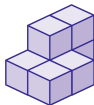
③



④



⑤

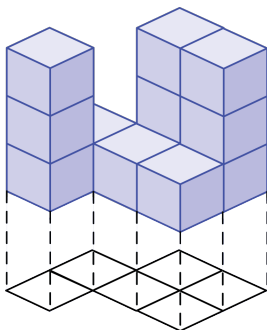
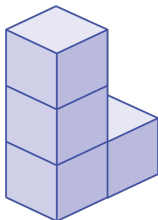


해설

주어진 쌓기나무를 돌리거나 뒤집어서 쌓아 봅니다.

6. 다음 <보기>의 모양 몇 개를 사용하여 다음과 같은 모양을 만들 수 있겠습니까?

[보기]



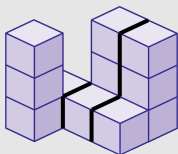
답 :

개

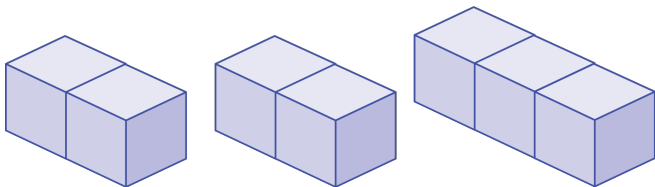


정답 : 3개

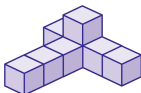
해설



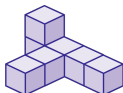
7. 다음 쌓기나무의 모양으로 만들 수 없는 것은 어느 것입니까?



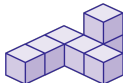
①



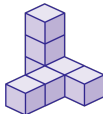
②



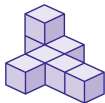
③



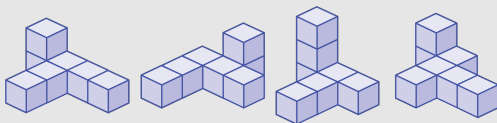
④



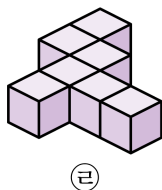
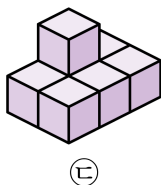
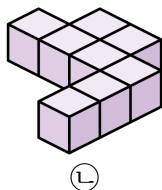
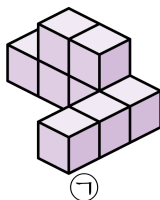
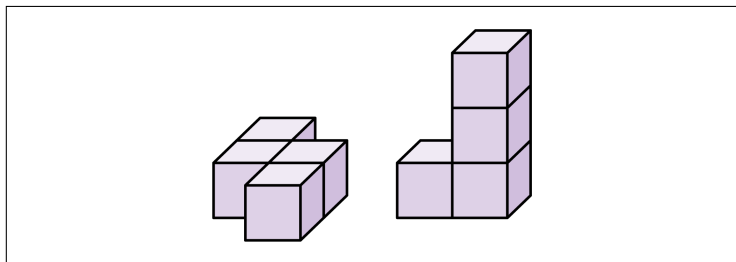
⑤



해설



8. 다음 그림의 두 모양을 합쳐서 만들 수 있는 모양은 어느 것입니까?



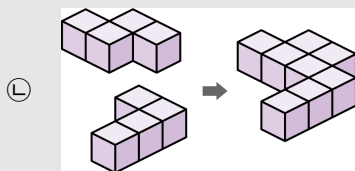
▶ 답:

▶ 답:

▶ 정답: ㉠

▶ 정답: ㉡

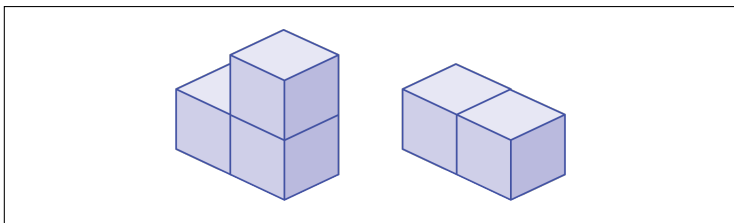
해설



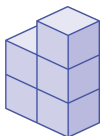
만들 수 있습니다.

또한, ㉠도 두 모양을 합쳐서

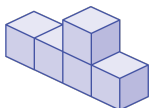
9. 다음 쌓기나무 두 조각으로 만들 수 없는 것은 어느 것인지 고르시오.



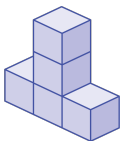
①



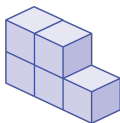
②



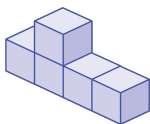
③



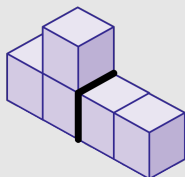
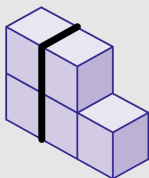
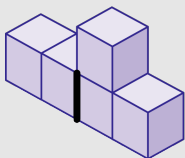
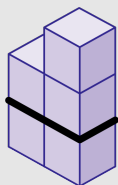
④



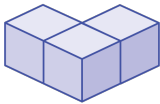
⑤



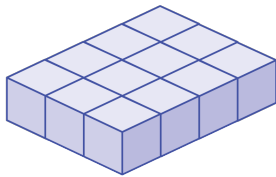
해설



10. ㉠ 모양의 쌓기나무 몇 개를 붙이면 ㉡ 모양이 되겠습니까?



㉠



㉡



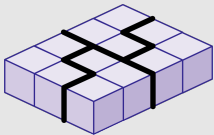
답:

개



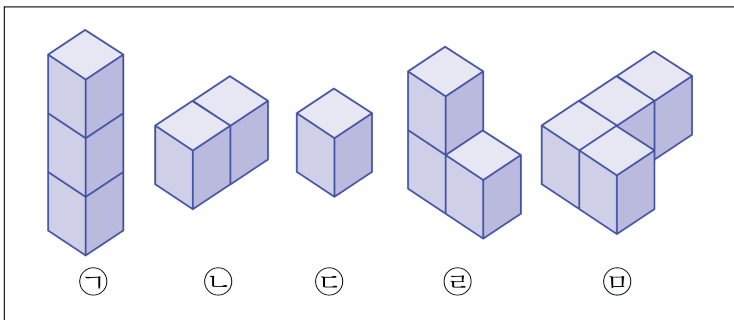
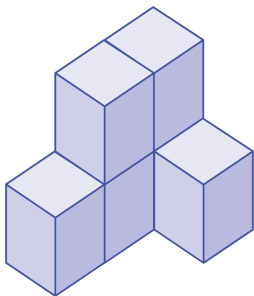
정답: 4개

해설



→ 4(개)

11. 다음 중 기호의 모양을 붙였을때 다음 모양이 만들어지지 않는 경우를 모두 고르시오.



① ㄱ, ㄴ, ㄷ

② ㄴ, ㄷ, ㄹ

③ ㄴ, ㅁ

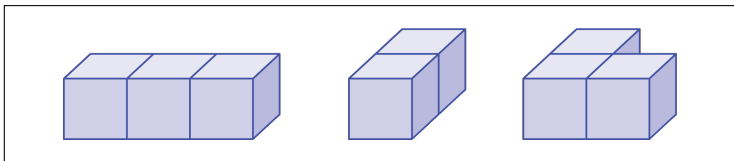
④ ㄴ, ㄷ

⑤ ㄹ, ㅁ

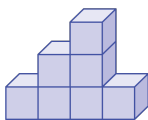
해설

ㄴ, ㄷ과 ㄹ, ㅁ으로는 그림의 모양을 만들 수 없습니다.

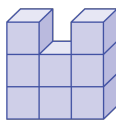
12. 다음 그림으로 쌓아서 만들 수 있는 쌓기나무 모양을 모두 고르시오.



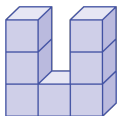
①



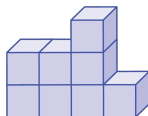
②



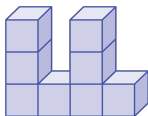
③



④

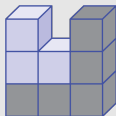


⑤

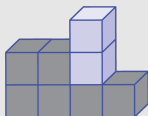


해설

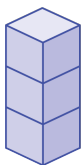
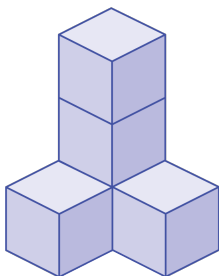
②



④



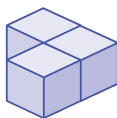
13. 다음 중 두 가지로 다음과 같은 모양을 쌓으려고 합니다. 알맞은 모양 두 가지를 골라 그 기호를 쓰시오.



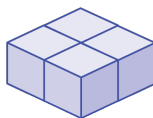
㉠



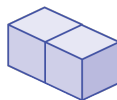
㉡



㉢



㉣



㉤

▶ 답 :

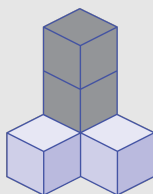
▶ 답 :

▷ 정답 : ㉢

▷ 정답 : ㉤

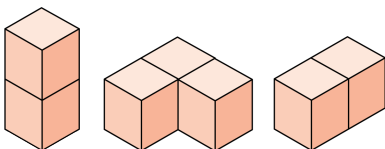
해설

㉢+㉤=

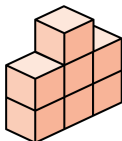


14. <보기>의 쌓기나무로 여러 가지 모양을 만들 때, 만들 수 없는 것은 어느 것입니까?

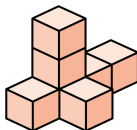
보기



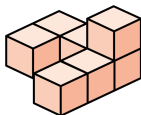
①



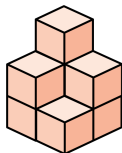
②



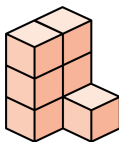
③



④



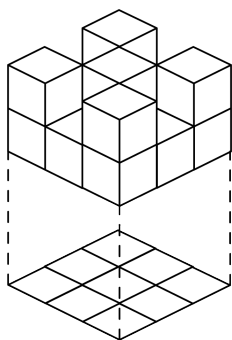
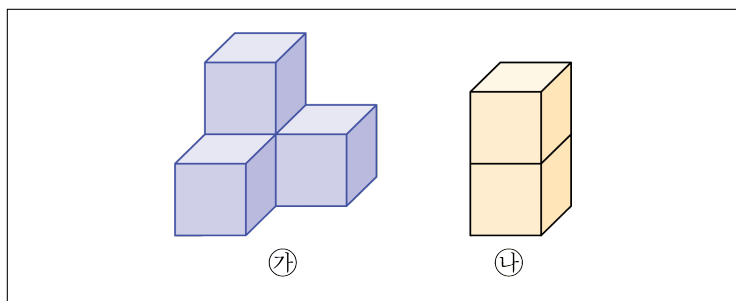
⑤



해설

①, ②, ③, ⑤번은 모두 $2+3+2=7$ (개)의 쌓기나무로 이루어져 있으며, <보기>의 그림이 각각 한 번씩 사용되었습니다.
④번은 1층-4개, 2층-3개, 3층-1개로 모두 8개가 사용되었습니다.

- 15.** ㉠, ㉡ 두 모양만을 사용하여 아래와 같은 모양을 만들려고 합니다. ㉠, ㉡ 모양이 몇 개씩 사용되었는지 차례대로 쓰시오.



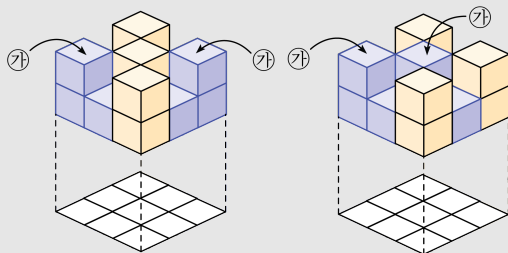
▶ 답: 개

▶ 답: 개

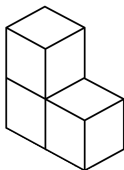
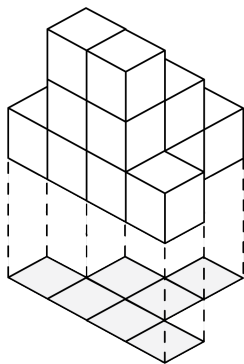
▶ 정답 : 2 개

▶ 정답 : 3 개

해설



16. 다음 왼쪽에 있는 쌓기나무 모양은 오른쪽에 있는 쌓기나무 모양 몇 개를 붙여 쌓은 것입니다. 몇 개를 붙여 쌓았는지 구하시오.

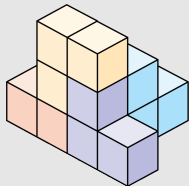


▶ 답 :

개

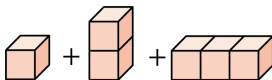
▶ 정답 : 4개

해설



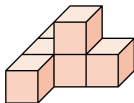
→ 4(개)

17.

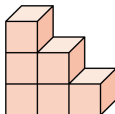


로 만들 수 없는 쌓기나무 모양을 모두 고르면?

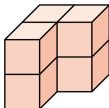
①



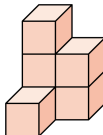
②



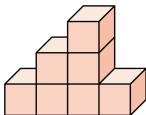
③



④



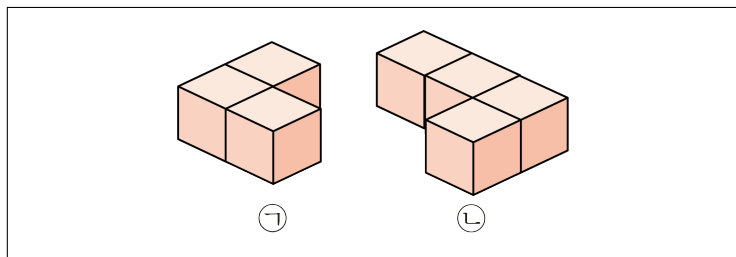
⑤



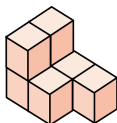
해설

③은 주어진 쌓기나무 개수는 같지만 모양을 만들 수 없고
⑤은 주어진 쌓기나무 개수보다 한 개가 더 필요합니다.

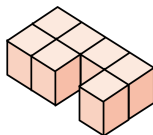
18. ㉠과 ㉡으로 만들 수 없는 모양은 어느 것인가?



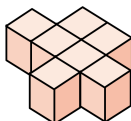
①



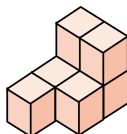
②



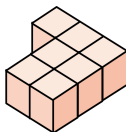
③



④



⑤



해설

쌓기나무개수는 같지만 ③모양을 만들 수 없습니다.