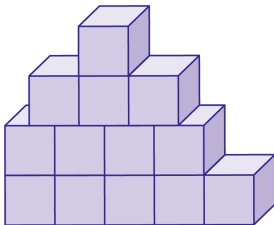


1. 다음 쌓기나무 모양에서 아랫 줄에 엇갈리게 쌓은 줄은 몇 층입니까?



▶ 답 :

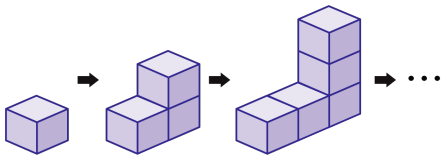
층

▶ 정답 : 3층

해설

2층과 3층 사이가 엇갈려 있습니다.

2. 다음과 같은 규칙에 따라 쌓기나무를 쌓을 때, 넷째 번에는 쌓기나무가 몇 개 필요한지 구하시오.



▶ 답: 개

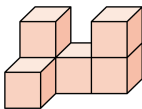
▷ 정답: 7 개

해설

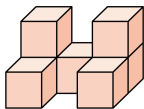
쌓기나무의 수가 1, 3, 5로 2개씩 늘어나는 규칙입니다.
따라서 넷째 번에는 7개입니다.

3. 앞에서 본 모양을 그렸을 때, 다른 것은 어느 것입니까?

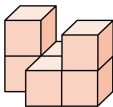
①



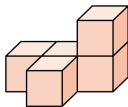
②



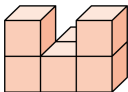
③



④

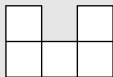


⑤



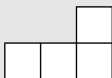
해설

①, ②, ③, ⑤ 의 앞모양은



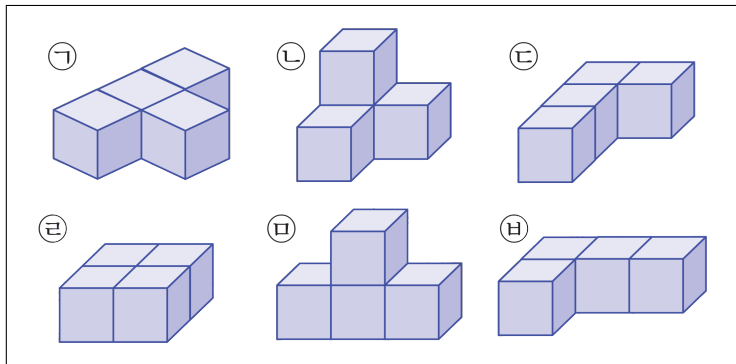
이고,

④은



입니다.

4. 다음 중 같은 쌓기나무를 바르게 짝지은 것은 어느 것입니까?



① ㉠, ㉢

② ㉢, ㉤

③ ㉡, ㉤

④ ㉢, ㉥

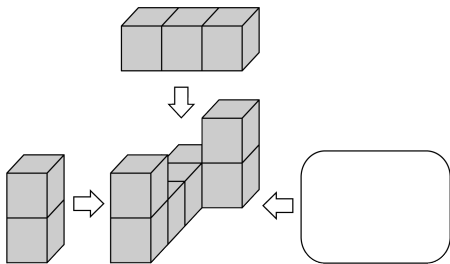
⑤ ㉠, ㉥

해설

그림 중에 같은 쌓기나무는 ㉠, ㉤과 ㉢, ㉥입니다.

→ ④

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



①



②



③



④



⑤ 답 없음

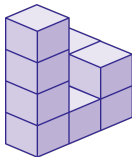
해설

원래 쌓기나무 모양에서 나누어진 부분을 차례로 지우며 생각해 봅니다.

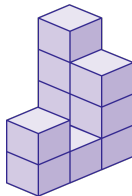
6. 다음 바탕 그림 위에 안에 있는 수만큼 쌓기나무를 쌓으면 어떤 모양이 되겠는지 고르시오.

4	3
	1
	2

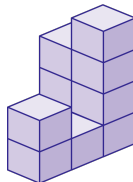
①



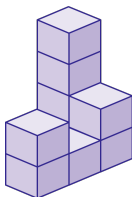
②



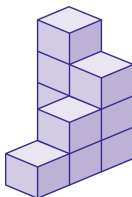
③



④



⑤

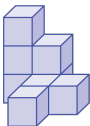


해설

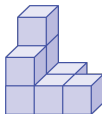
바탕 그림 위의 번호는 쌓기나무의 수를 나타냅니다.
따라서 ㄱ자 모양에서 4개, 3개, 1개, 2개를 쌓아 놓은 것은 ②번입니다.

7. 위에서 본 모양을 그렸을 때, 나타나는 정사각형의 개수가 다른 하나를 찾으시오.

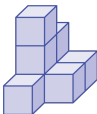
①



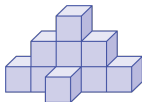
②



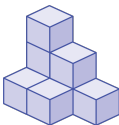
③



④



⑤

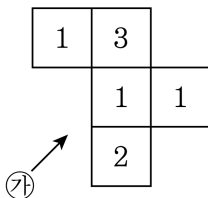


해설

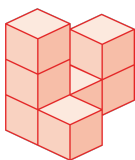
①, ②, ③, ⑤ : 5개

④ : 6개

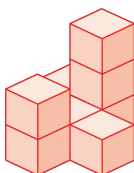
8. 아래 그림에서 □ 안에 있는 수는 그 위에 쌓기나무의 개수를 나타낸 것입니다. ㉠ 방향에서 바라 본 모양은 어느 것입니까?



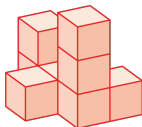
①



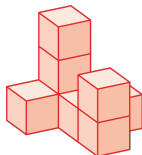
②



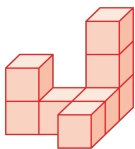
③



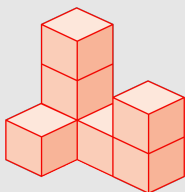
④



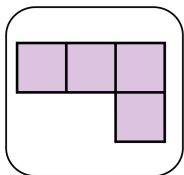
⑤



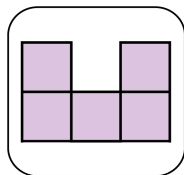
해설



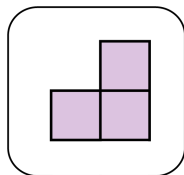
9. 위, 앞, 옆(오른쪽)에서 본 모양이 각각 다음과 같을 때, 이 모양을 만들기 위해서 필요한 쌓기나무는 모두 몇 개입니까?



위



앞



옆(오른쪽)

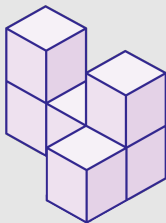
▶ 답 :

개

▶ 정답 : 6개

해설

위, 앞, 옆에서 본 모양을 보고 쌓기나무를 쌓아보면 아래와 같은 모양이 나옵니다.



따라서, 쌓기나무는 1 층에 4 개,
2 층에 2 개이므로 $4 + 2 = 6$ (개)