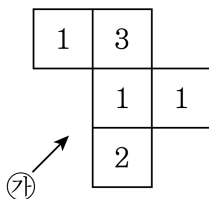
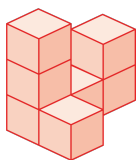


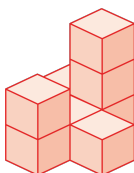
1. 아래 그림에서 □ 안에 있는 수는 그 위에 쌓기나무의 개수를 나타낸 것입니다. ㉠ 방향에서 바라 본 모양은 어느 것입니까?



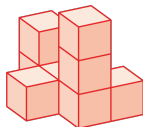
①



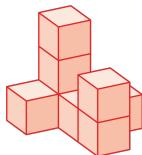
②



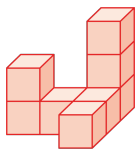
③



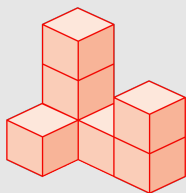
④



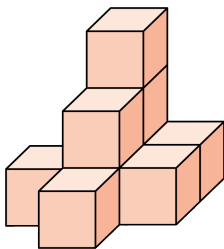
⑤



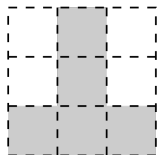
해설



2. 다음은 왼쪽 쌓기나무의 모양을 앞, 위, 옆 중 어느 방향에서 보고 그렸는지를 판단하여 왼쪽부터 차례대로 쓰시오.



()



()

▶ 답 :

▶ 답 :

▷ 정답 : 옆

▷ 정답 : 앞

해설

앞에서 본 모양은

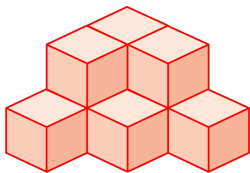


이고, 옆에서 본 모양은

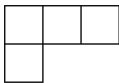


입니다.

3. 그림은 쌓기나무 9 개로 쌓은 것입니다. 이 쌓기나무의 바탕 그림으로 알맞은 것은 어느 것입니까?



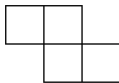
①



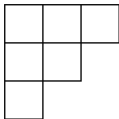
②



③



④



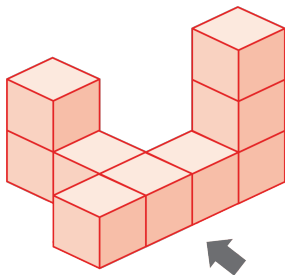
⑤



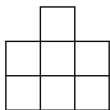
해설

바탕 그림은 쌓기나무 모양을 위에서 본 모양이므로 위에서 본 모양을 찾습니다.

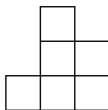
4. 다음 쌓기나무를 옆에서 본 모양은 어느 것입니까?



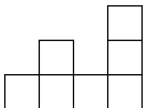
①



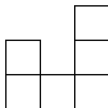
②



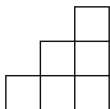
③



④



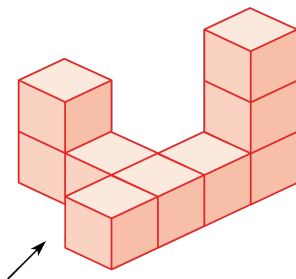
⑤



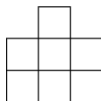
해설

화살표 방향으로 보면 왼쪽에서부터 1층, 2층, 1층, 3층으로 보입니다.

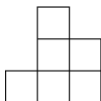
5. 다음 쌓기나무의 화살표를 따라 본 그림으로 맞는 것은 어느 것입니까?



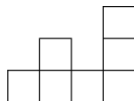
①



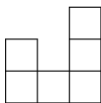
②



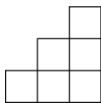
③



④



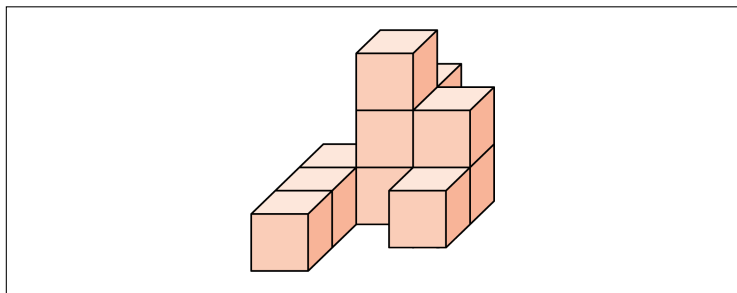
⑤



해설

화살표 방향으로 보면 왼쪽에서부터 차례로
2층, 1층, 3층으로 보입니다.

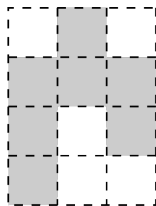
6. 다음 쌓기나무의 모양은 위, 앞, 옆 중 어느 방향에서 보고 그렸는지 번호순서대로 쓰시오.



(1)



(2)



▶ 답 :

▶ 답 :

▷ 정답 : 옆

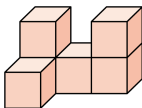
▷ 정답 : 위

해설

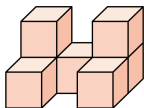
위치에 따른 쌓기 나무를 잘 살펴 봅니다.

7. 앞에서 본 모양을 그렸을 때, 다른 것은 어느 것입니까?

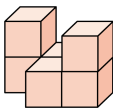
①



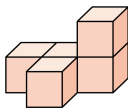
②



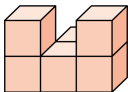
③



④

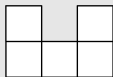


⑤



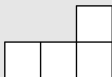
해설

①, ②, ③, ⑤ 의 앞모양은



이고,

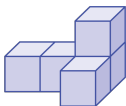
④은



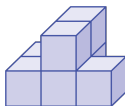
입니다.

8. 다음 중 앞에서 본 모양과 옆에서 본 모양이 같은 것은 어느 것인지 모두 고르시오.

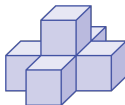
①



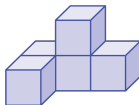
②



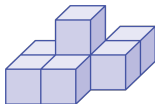
③



④

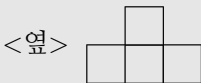
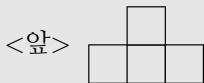


⑤



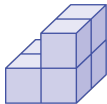
해설

③

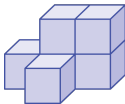


9. 다음 중 앞에서 본 모양과 옆에서 본 모양이 같은 것을 모두 고르시오.

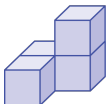
①



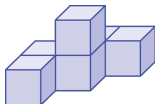
②



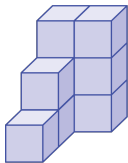
③



④



⑤



해설

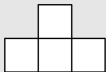
③ <앞>



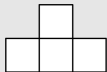
<옆>



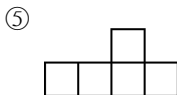
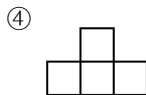
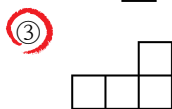
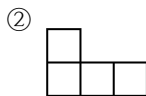
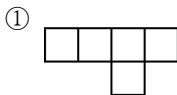
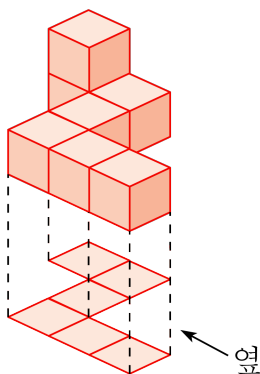
④ <앞>



<옆>



10. 쌓기나무로 다음과 같은 모양을 만들었습니다. 옆에서 본 모양을
바르게 그린 것은 어느 것입니까?

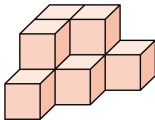


해설

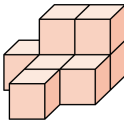
화살표 방향으로 보면 왼쪽에서부터 차례로 1층, 1층, 2층으로
보입니다.

11. 다음 중 앞에서 본 모양이 다른 하나를 고르시오.

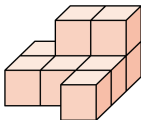
①



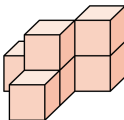
②



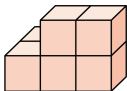
③



④

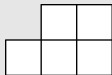


⑤



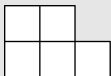
해설

②, ③, ④, ⑤의 앞의 모양은



이고,

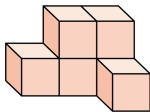
①은



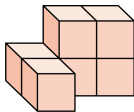
입니다.

12. 앞에서 본 모양을 그렸을 때, 나타나는 정사각형의 개수가 다른 하나를 고르시오.

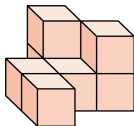
①



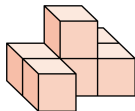
②



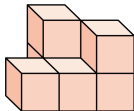
③



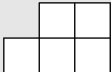
④

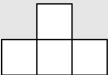


⑤



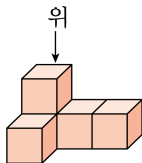
해설

앞의 모양은 ①, ②, ③, ⑤은  이고,

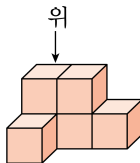
④은  입니다.

13. 다음은 쌓기나무로 쌓은 모양입니다. 위에서 본 모양이 다른 하나는 어느 것입니까?

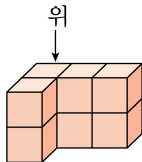
①



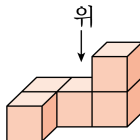
②



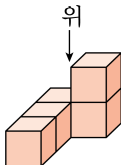
③



④



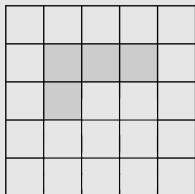
⑤



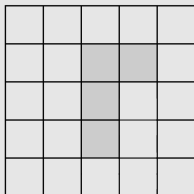
해설

위에서 본 모양은 다음과 같습니다.

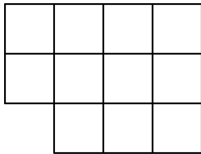
①~④



⑤



14. 다음은 쌓기나무를 위에서 내려다 본 모양입니다. 1층에 쌓기나무 개수는 몇 개입니까?



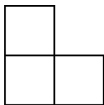
- ① 13개 ② 12개 ③ 11개 ④ 10개 ⑤ 9개

해설

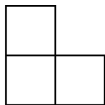
위에서 내려다 본 모양은 1층의 모양과 같으므로 바탕모양의 개수와 같습니다.

그러므로 11개입니다.

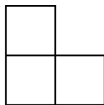
15. 위, 앞, 옆에서 본 모양이 다음과 같은 쌓기나무를 만들려고 합니다.
쌓기나무는 몇 개 필요합니까?



위



앞



옆(오른쪽)



답:

개

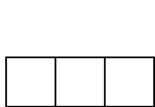


정답: 4개

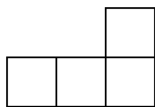
해설

1 층에 3 개, 2 층에 1 개가 필요하므로 $3 + 1 = 4$
즉, 쌓기나무는 모두 4 개 필요합니다.

16. 위, 앞, 옆에서 본 모양이 다음과 같이 되도록 쌓기나무로 만들려고 합니다. 안에 알맞은 수를 순서대로 써넣으시오.



위



앞



옆(오른쪽)

1층의 쌓기나무는 개, 2층의 쌓기나무는 개이므로 쌓기나무는 모두 개이다.

▶ 답 :

▶ 답 :

▶ 답 :

▷ 정답 : 3

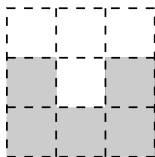
▷ 정답 : 1

▷ 정답 : 4

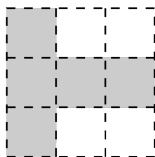
해설

1층은 3개가 되고, 2층은 1개가 되므로 모두 4개입니다.

17. 다음은 쌓기나무로 쌓은 모양을 앞, 위, 옆에서 본 모양대로 그린 것입니다. 어떤 모양인지 고르시오.



(앞)

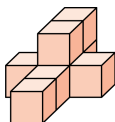


(위)

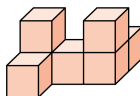


(옆)

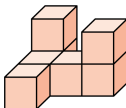
①



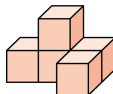
②



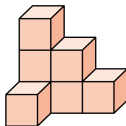
③



④



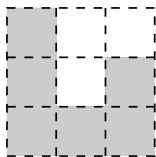
⑤



해설

위치에 따른 쌓기 나무를 잘 살펴 봅니다.

18. 다음은 쌓기나무로 쌓은 모양을 앞, 위, 옆에서 본 모양대로 그린 것입니다. 어떤 모양입니까?



(앞)

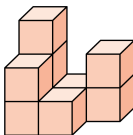


(위)

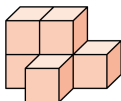


(옆)

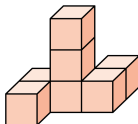
①



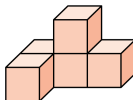
②



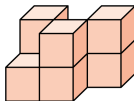
③



④



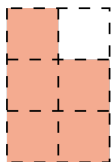
⑤



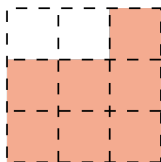
해설

위치에 따른 쌓기 나무를 잘 살펴 봅니다.

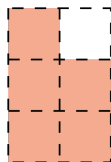
19. 다음은 쌓기나무로 쌓은 모양을 위, 옆, 앞에서 본 모양대로 그린 것입니다. 어떤 모양을 그린 것인지 고르시오.



(위)

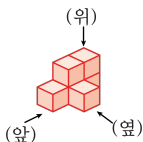


(옆)

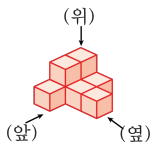


(앞)

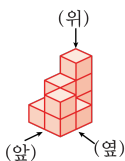
①



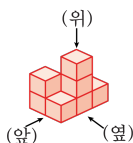
②



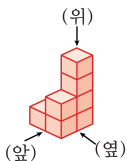
③



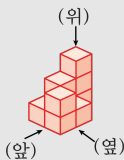
④



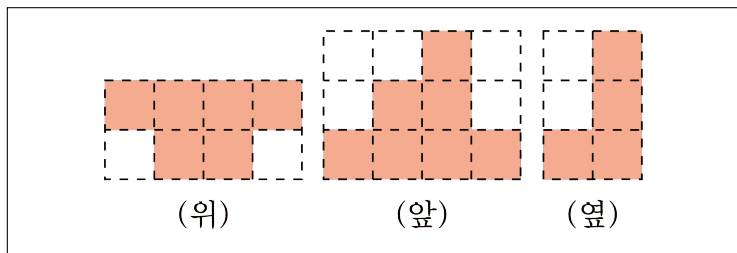
⑤



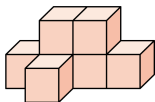
해설



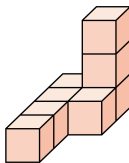
20. 다음은 쌓기나무로 쌓은 모양을 위, 앞, 옆에서 본 모양대로 그린 것입니다. 어떤 모양을 그린 것입니까?



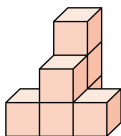
①



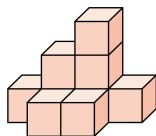
②



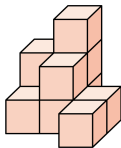
③



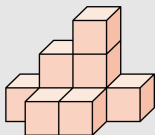
④



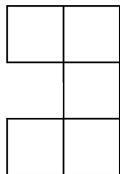
⑤



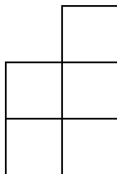
해설



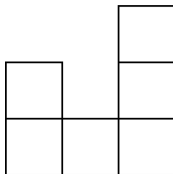
21. 위, 앞, 옆에서 본 모양이 다음과 같게 되도록 쌓기나무를 쌓으려면 최소한 몇 개의 쌓기나무가 필요한지 구하시오.



위



앞



옆(오른쪽)

▶ 답 :

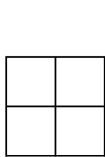
개

▶ 정답 : 8개

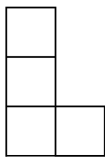
해설

1	3
	1
2	1

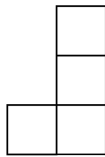
22. 위, 앞, 옆에서 본 모양이 다음과 같이 되도록 쌓기나무로 모양을 만들려고 합니다. 쌓기나무는 모두 몇 개가 필요합니까?



위



앞



옆(오른쪽)

▶ 답 :

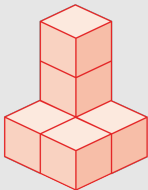
개

▶ 정답 : 6개

해설

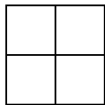
위, 앞, 옆에서 본 모양을 보고 전체 모양을 추측해 봅니다. 위에서 본 모양과 바탕 그림은 같으므로 바탕 그림 위에 각 칸에 쌓인 층수를 써 넣으면 왼쪽과 같고 완성한 모양은 다음과 같습니다.

3	1
1	1

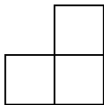


따라서 $3 + 1 + 1 + 1 = 6$ (개)입니다.

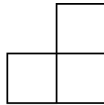
23. 그림은 쌓기나무로 만든 것을 위, 앞, 옆에서 본 모양입니다. 쌓기나무는 모두 몇 개입니까?



위



앞



옆(오른쪽)

▶ 답: 개

▶ 정답: 5개

해설

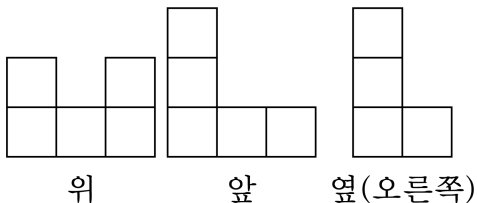
완성된 쌓기나무의 모양을 생각해 봅니다.

앞, 옆에서 본 모양은 가장 높은 층수가 나타나므로 이를 이용하여 위에서 본 모양의 바탕그림을 완성하면

1	2
1	1

이므로 쌓기나무는 모두 $1 + 1 + 1 + 2 = 5(\text{개})$ 입니다.

24. 위, 앞, 옆에서 본 모양이 다음과 같은 쌓기나무를 만들 때, 쌓기나무는 모두 몇 개가 필요합니까?



▶ 답: 개

▶ 정답: 7개

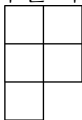
해설

1		1
3	1	1

 $\Rightarrow 1+3+1+1+1=7(\text{개})$

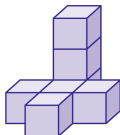
25. 다음이 설명하는 모양을 찾으시오.

- 전체 3층으로 이루어져 있습니다.
- 모두 9개의 쌓기나무를 사용하였습니다.

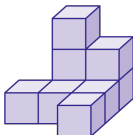


- 위에서 본 모양은 입니다.

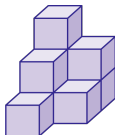
①



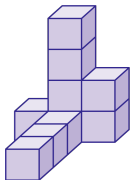
②



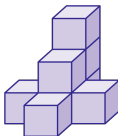
③



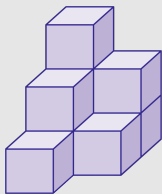
④



⑤

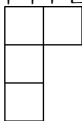


해설



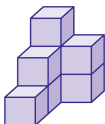
26. 다음이 설명하는 모양을 찾으시오.

- 전체 3층으로 이루어져 있습니다.
- 8개의 쌓기나무를 사용하였습니다.
- 1층에는 4개의 쌓기나무를 사용하였습니다.

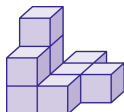


- 위에서 본 모양은 과 같습니다.

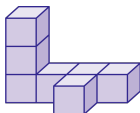
①



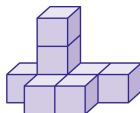
②



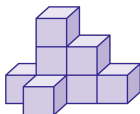
③



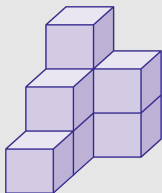
④



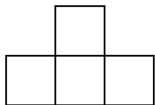
⑤



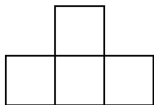
해설



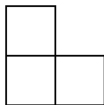
27. 다음과 같이 쌓기나무를 쌓으려고 합니다. 쌓기나무는 몇 개 필요합니까?



위



앞



옆(오른쪽)



답 :

개



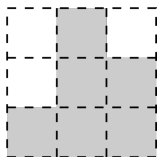
정답 : 5개

해설

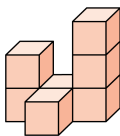


$$1 + 1 + 2 + 1 = 5(\text{개})$$

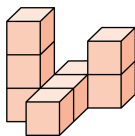
28. 동수가 쌓기나무로 쌓은 모양을 오른쪽 옆에서 보니 아래 그림과 같았습니다. 동수가 만든 모양은 어느 것인가?



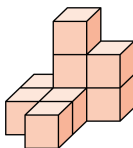
①



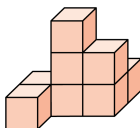
②



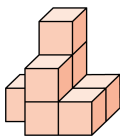
③



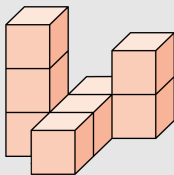
④



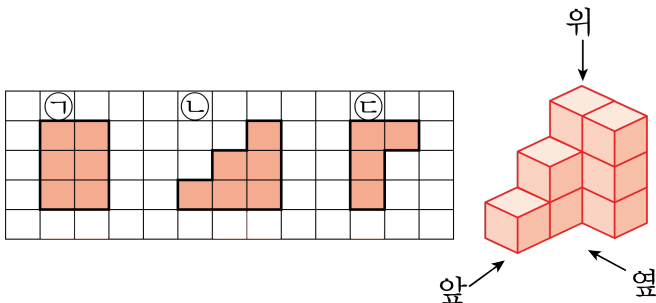
⑤



해설



29. 다음 그림은 쌓기나무 9 개로 만든 모양입니다. 위, 앞, 옆에서 본 모양을 찾아 순서대로 기호를 쓰시오.



▶ 답 :

▶ 답 :

▶ 답 :

▷ 정답 : ㄷ

▷ 정답 : ㄴ

▷ 정답 : ㄱ

해설

앞과 옆에서 모양을 보면 그 방향에서 봤을 때 가장 높은 층수로 보입니다.

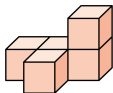
ㄱ : 앞에서 본 모양,

ㄴ : 옆에서 본 모양,

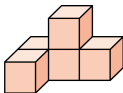
ㄷ : 위에서 본 모양

30. 다음 중 오른쪽 옆에서 본 모양이 다른 하나는 어느 것입니까?

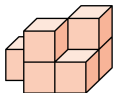
①



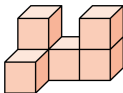
②



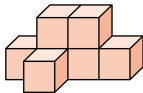
③



④



⑤



해설

①, ②, ④, ⑤의 오른쪽에서 본 모양은



이고, ③은



입니다.