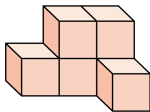
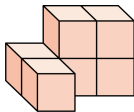


1. 앞에서 본 모양을 그렸을 때, 나타나는 정사각형의 개수가 다른 하나를 고르시오.

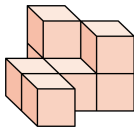
①



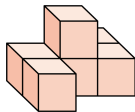
②



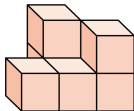
③



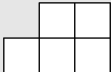
④

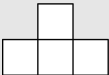


⑤

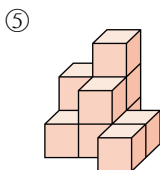
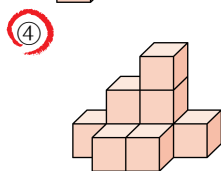
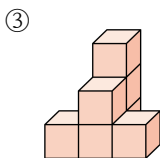
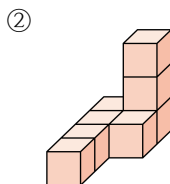
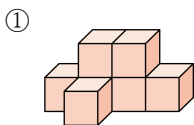
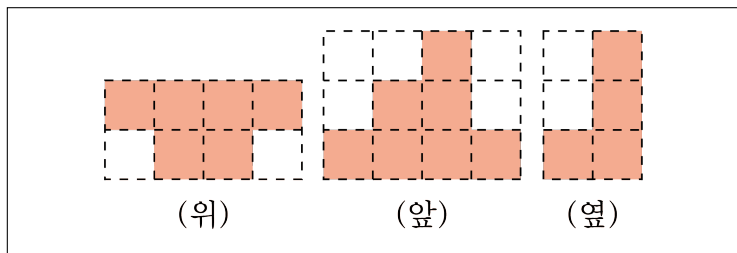


해설

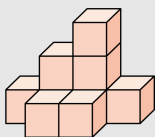
앞의 모양은 ①, ②, ③, ⑤은  이고,

④은  입니다.

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

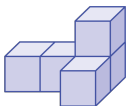


해설

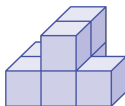


3. 다음 중 앞에서 본 모양과 옆에서 본 모양이 같은 것은 어느 것인지 모두 고르시오.

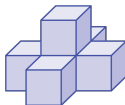
①



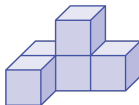
②



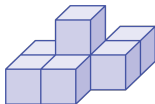
③



④

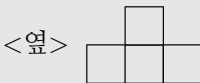
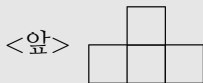


⑤



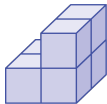
해설

③

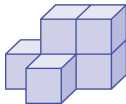


4. 다음 중 앞에서 본 모양과 옆에서 본 모양이 같은 것을 모두 고르시오.

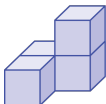
①



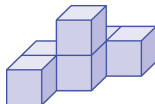
②



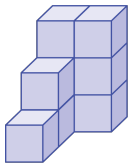
③



④



⑤



해설

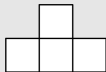
③ <앞>



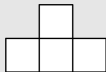
<옆>



④ <앞>

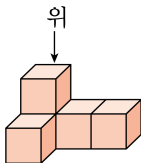


<옆>

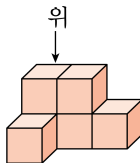


5. 다음은 쌓기나무로 쌓은 모양입니다. 위에서 본 모양이 다른 하나는 어느 것입니까?

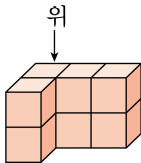
①



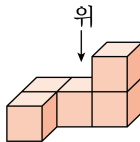
②



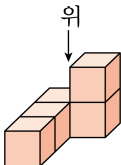
③



④



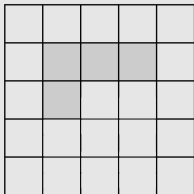
⑤



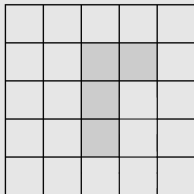
해설

위에서 본 모양은 다음과 같습니다.

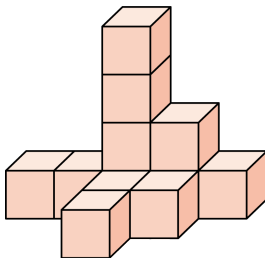
①~④

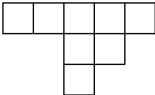


⑤



6. 아래 그림에 대한 설명으로 옳지 않은 것은 어느 것인지 고르시오.



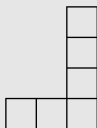
- ① 4층으로 쌓아졌습니다.
 ② 모두 12개의 쌓기나무를 사용하였습니다.
 ③ 위에서 본 모양은  입니다.

- ④  오른쪽 옆에서 본 모양은  입니다.

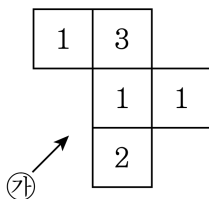
- ⑤ 1층은 8개의 쌓기나무를 사용했습니다.

해설

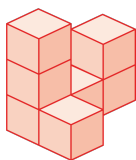
오른쪽 옆의 모양



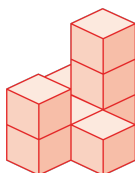
7. 아래 그림에서 □ 안에 있는 수는 그 위에 쌓기나무의 개수를 나타낸 것입니다. ㉠ 방향에서 바라 본 모양은 어느 것입니까?



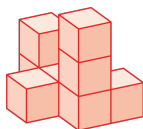
①



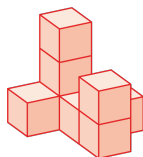
②



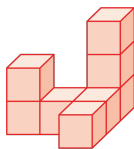
③



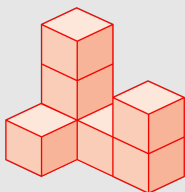
④



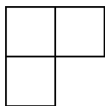
⑤



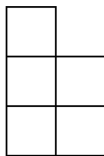
해설



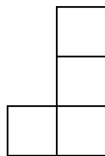
8. 다음은 어느 쌓기나무를 위, 앞, 옆에서 본 그림입니다. 몇 개의 쌓기 나무를 사용했습니까?



위



앞



옆

① 3개

② 4개

③ 5개

④ 6개

⑤ 7개

해설

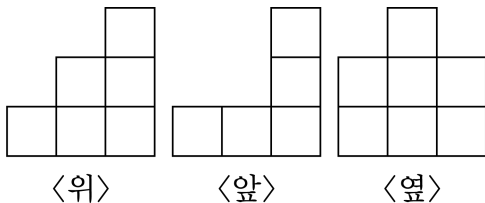
3=(3)	3=(2)
3=(1)	

→ 앞에서 본 쌓기나무가
2개이므로 옆으로 봤을
때의 3으로 보면 안된다.

→ 앞에서 본 쌓기나무는 3개지만,
옆에서 본 쌓기나무는 1이므로
1개로 고쳐야한다.

위에서 본 바탕 그림에 앞에서 본 쌓기나무의 개수를 표시한 후
옆에서 본 개수를 고려하면 사용된 쌓기나무는 $3+2+1=6$ (개)
입니다.

9. 다음 그림의 위, 앞, 옆모습을 보고, 1층과 2층의 쌓기나무 개수의 차를 구한 것을 고르시오.



① 2

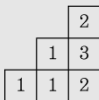
② 3

③ 4

④ 5

⑤ 6

해설



바탕그림의 1층 쌓기나무는 6개이고,
2층 쌓기나무는 3개입니다. 1층과 2층의
쌓기나무 개수의 차는 $6 - 3 = 3$ (개)가 됩니다.

10. 위에서 본 모양이 정사각형 모양이 되게 1 층을 쌓으려고 합니다. 쌓기나무의 개수로 적당하지 않은 것은 어느 것입니까? (단, 남은 것은 없어야 합니다.)

① 4 개

② 6 개

③ 9 개

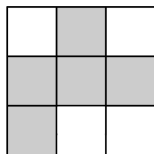
④ 16 개

⑤ 25 개

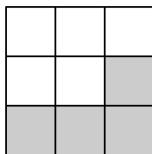
해설

1×1 , 2×2 , 3×3 , 4×4 , ... 이므로
1 개, 4 개, 9 개, 16 개, ... 이어야 합니다.

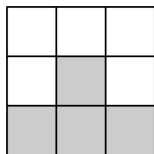
11. 다음은 쌓기나무로 쌓은 모양을 위, 앞, 옆에서 본 모양대로 그린 것입니다. 어떤 모양의 그림인지 고르시오.



(위)

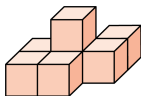


(앞)

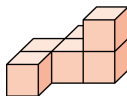


(옆)

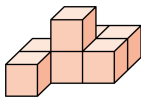
①



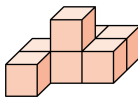
②



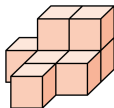
③



④



⑤



해설

