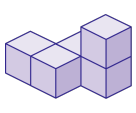
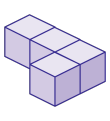
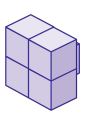
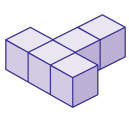
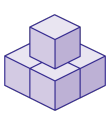
1. 다음 중 쌓기나무의 개수가 다른 것은 어느 것입니까?

① 

② 

③ 

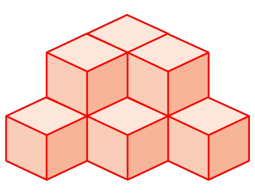
④ 

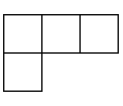
⑤ 

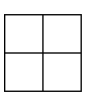
해설

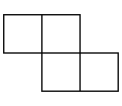
①, ③, ④, ⑤는 쌓기나무가 5 개씩이고,
②는 4 개입니다.

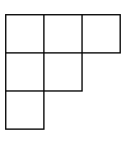
2. 그림은 쌓기나무 9 개로 쌓은 것입니다. 이 쌓기나무의 바탕 그림으로 알맞은 것은 어느 것입니까?

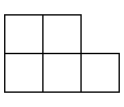


① 

② 

③ 

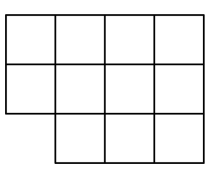
④ 

⑤ 

해설

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

3. 다음은 쌓기나무를 위에서 내려다 본 모양입니다. 1층에 쌓기나무 개수는 몇 개 입니까?

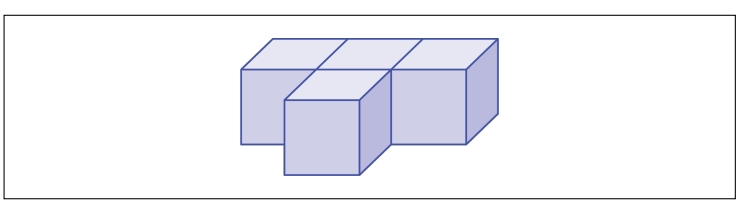


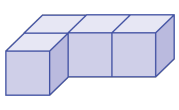
① 13개 ② 12개 ③ 11개 ④ 10개 ⑤ 9개

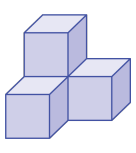
해설

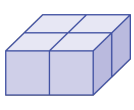
위에서 내려다 본 모양은 1층의 모양과 같으므로 바탕모양의 개수와 같습니다.
그러므로 11개입니다.

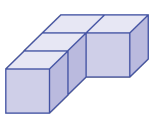
4. 다음 그림과 모양이 같은 쌓기나무는 어느 것입니까?

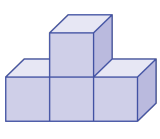


① 

② 

③ 

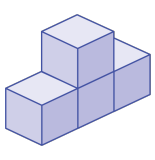
④ 

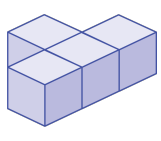
⑤ 

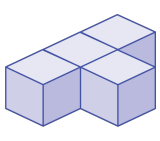
해설

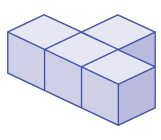
주어진 쌓기나무 앞부분을 위로 향하게 한 모양은 ⑤입니다.

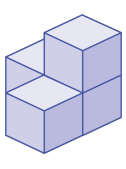
5. 다음 중 모양이 다른 하나는 어느 것입니까?

① 

② 

③ 

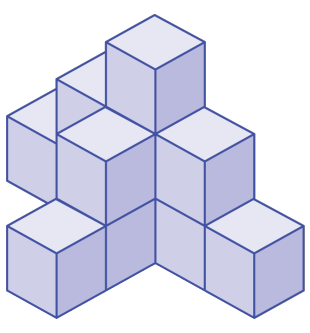
④ 

⑤ 

해설

쌓기나무 모양을 돌리거나 눕히거나 세워서 다른 모양을 찾아봅니다.

6. 다음 그림은 규칙에 따라 쌓기나무를 쌓은 것입니다. 규칙을 찾아 쓴 것으로 옳은 것은 어느 것입니까?



① 아래로 내려갈수록 쌓기나무가 줄어듭니다.

② 아래로 내려갈수록 쌓기나무가 2개, 4개, 6개로 늘어납니다.

③ 아래로 내려갈수록 쌓기나무가 1개, 3개, 5개로 늘어납니다.

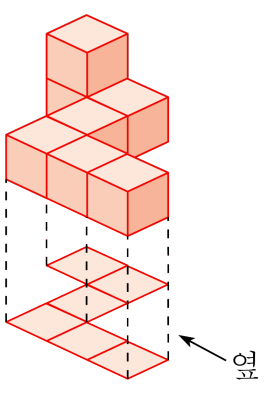
④ 아래로 내려갈수록 쌓기나무가 엇갈려 있습니다.

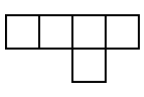
⑤ 아래로 내려갈수록 쌓기나무가 3개씩 늘어납니다.

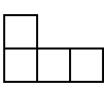
해설

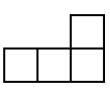
3층:1개, 2층:4개, 1층:7개로 아래로 내려갈수록 쌓기나무가 3개씩 늘어나는 규칙입니다.

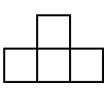
7. 쌓기나무로 다음과 같은 모양을 만들었습니다. 옆에서 본 모양을 바르게 그린 것은 어느 것입니까?

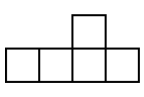


① 

② 

③ 

④ 

⑤ 

해설

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

8. 앞에서 본 모양을 그렸을 때, 다른 것은 어느 것입니까?

①

②

③

④

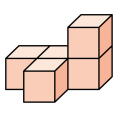
⑤

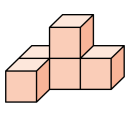
해설

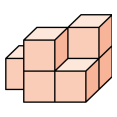
①, ②, ③, ⑤ 의 앞모양은 이고,

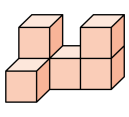
④은 입니다.

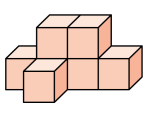
9. 다음 중 오른쪽 옆에서 본 모양이 다른 하나는 어느 것입니까?

① 

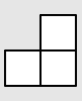
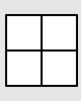
② 

③ 

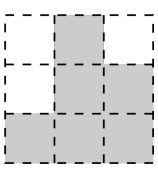
④ 

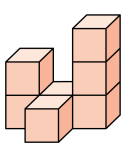
⑤ 

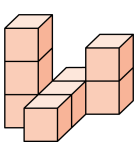
해설

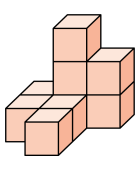
①, ②, ④, ⑤의 오른쪽에서 본 모양은  이고, ③은  입니다.

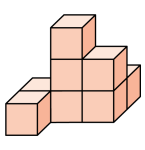
10. 동수가 쌓기나무로 쌓은 모양을 오른쪽 옆에서 보니 아래 그림과 같았습니다. 동수가 만든 모양은 어느 것인가?

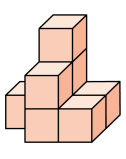


① 

② 

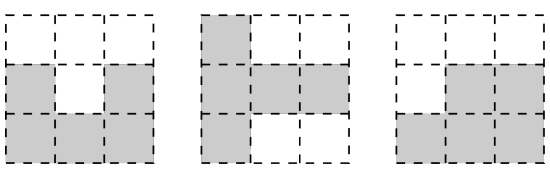
③ 

④ 

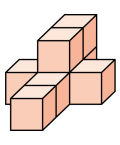
⑤ 

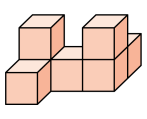
해설

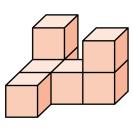
11. 다음은 쌓기나무로 쌓은 모양을 앞, 위, 옆에서 본 모양대로 그린 것입니다. 어떤 모양인지 고르시오.

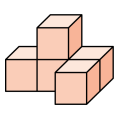


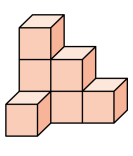
(앞) (위) (옆)

① 

② 

③ 

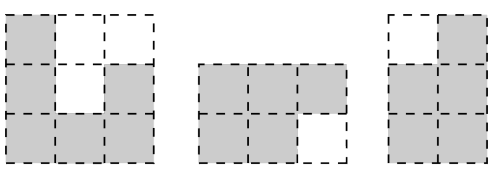
④ 

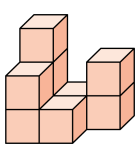
⑤ 

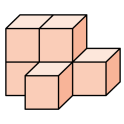
해설

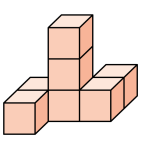
위치에 따른 쌓기 나무를 잘 살펴 봅니다.

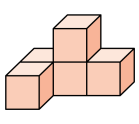
12. 다음은 쌓기나무로 쌓은 모양을 앞, 위, 옆에서 본 모양대로 그린 것입니다. 어떤 모양입니까?

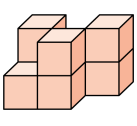


① 

② 

③ 

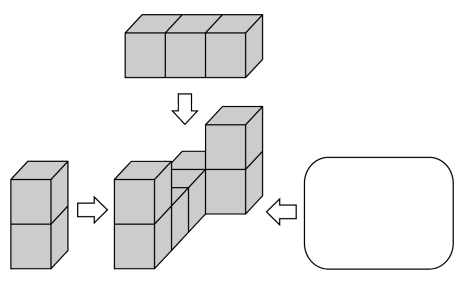
④ 

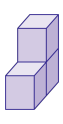
⑤ 

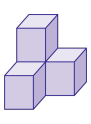
해설

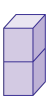
위치에 따른 쌓기 나무를 잘 살펴 봅니다.

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



① 

② 

③ 

④

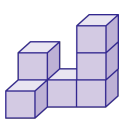
⑤ 답 없음

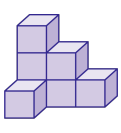
해설

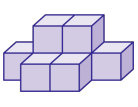
원래 쌓기나무 모양에서 나누어진 부분을 차례로 지우며 생각해 봅니다.

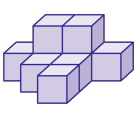
14. 다음은 어떤 모양의 쌓기나무를 쌓는 데 필요한 쌓기나무의 개수를 나타낸 것입니다. 쌓기나무의 모양을 찾으시오.

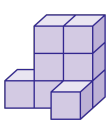
2	1	3
1	0	0

① 

② 

③ 

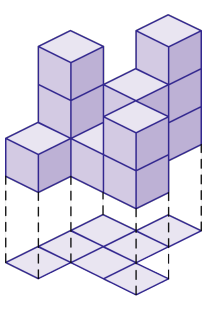
④ 

⑤ 

해설

쌓기나무가 위치에 맞게 쌓아졌는지 봅니다.

15. 다음 13개의 쌓기나무 중 2층의 쌓기나무를 모두 빼면 몇 개의 쌓기나무가 남습니까?



① 6개 ② 7개 ③ 8개 ④ 9개 ⑤ 10개

해설

1층 : 7개, 2층 : 4개, 3층 : 2개
2층을 뺀 나머지는 1층과 3층의 쌓기나무 개수를 합한것인
$7+2=9$(개)
따라서 9개입니다.