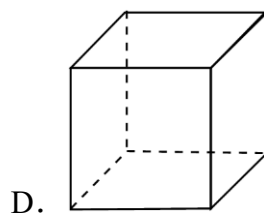
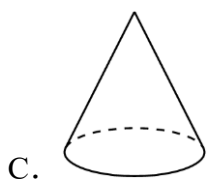
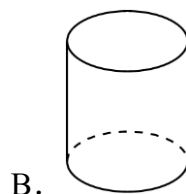
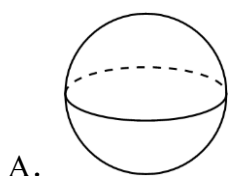


习题 L7-17：几何图形

参考答案与试题解析

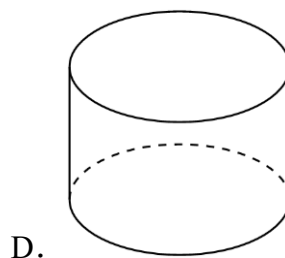
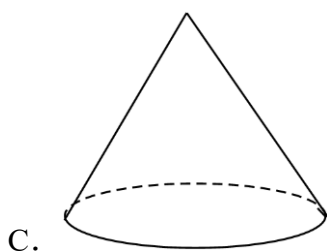
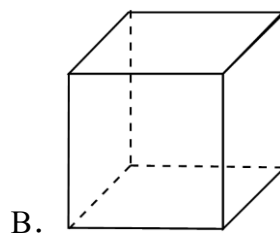
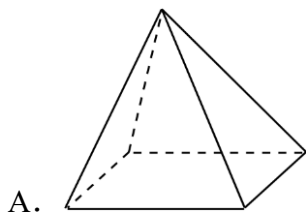
1. 下列几何体中，面数最少的是（ ）



【答案】A

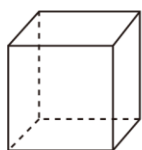
【分析】球体只有 1 个面.

2. 下列几何体中，是棱锥的为（ ）

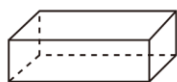


【答案】A

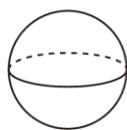
3. 如图平面图形中是棱柱的个数是（ ）



(1)



(2)



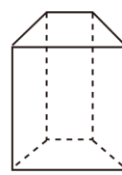
(3)



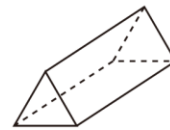
(4)



(5)



(6)



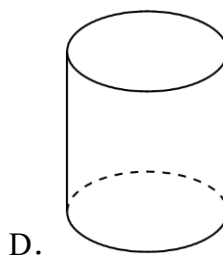
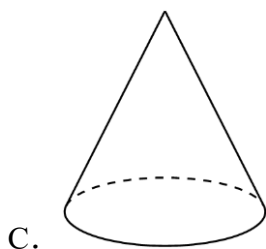
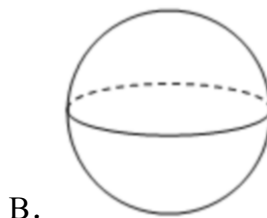
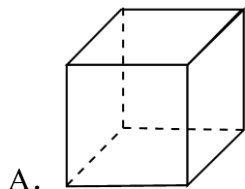
(7)

- A. 2 B. 3 C. 4 D. 5

【答案】C

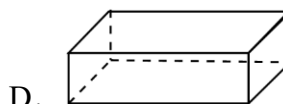
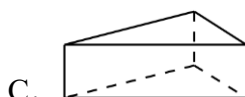
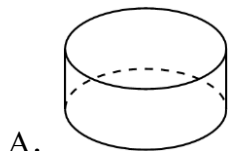
【分析】(1)、(2)、(6)、(7) 是棱柱；

4. 下面的几何体中，哪一个不能由平面图形绕某直线旋转一周得到 ()



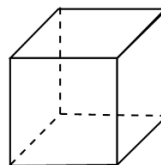
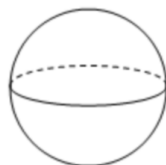
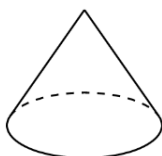
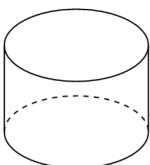
【答案】A

5. 水平放置的下列几何体，从正面看不是长方形的是 ()



【答案】B

6. 如图放置的四个几何体中，主视图是圆形的几何体共有 ()



A. 1 个

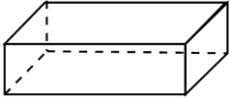
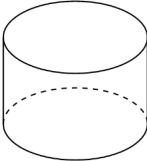
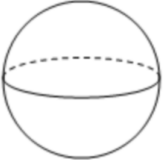
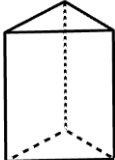
B. 2 个

C. 3 个

D. 4 个

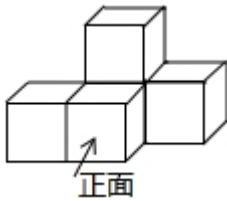
【答案】A

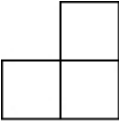
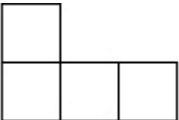
7. 下列四个几何体中，俯视图是长方形的是 ()

- A.  长方体
- B.  圆柱
- C.  球
- D.  三棱柱

【答案】A

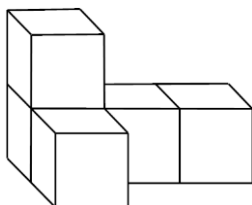
8. 如图的几何体由 5 个相同的小正方体搭成。从正面看，这个几何体的形状是 ()

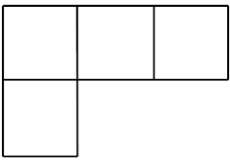
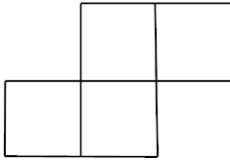


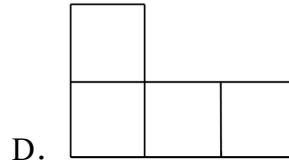
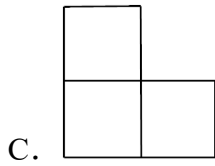
- A. 
- B. 
- C. 
- D. 

【答案】A

9. 如图所示的几何体是由五个小正方形体组合而成的，从几何体的上方向下看所看的平面图形是 ()

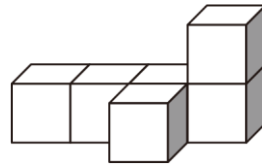
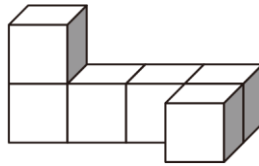
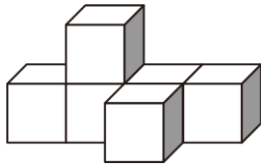


- A. 
- B. 



【答案】A

10. 由 6 个小正方体分别搭成的立体图形，如图所示，从（ ）看它们的形状是完全相同的.



A. 正面

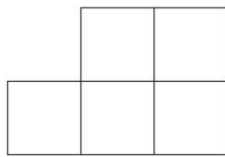
B. 左面

C. 后面

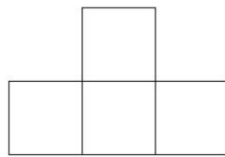
D. 上面

【答案】B

*11. 用若干个边长为 1 的小正方体搭一个几何体，若搭成的几何体从正面和从上面看到的形状如图，问这个几何体最多有几个小正方体组成？



从正面看



从上面看

【答案】7.