

第

四

章

几何图形初步



4.1 几何图形

4.1.1 立体图形与平面图形

第1课时 认识几何图形



自主预习

——梳理要点

1. 对于各种各样的图形,数学中关注的是它们的_____
_____, _____ 和 _____ 关系.
2. 从实物中抽象出的各种图形统称为_____.
3. 有些几何图形的各部分不都在同一平面内,它们是_____
_____ ;有些几何图形的各部分都在同一平面内,它们是_____.

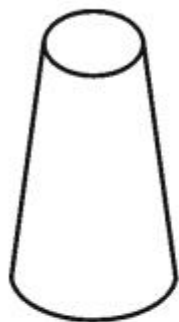




随堂过关

——夯实基础

1. 下列物体中,最接近圆柱的是 ()



烟囱

A



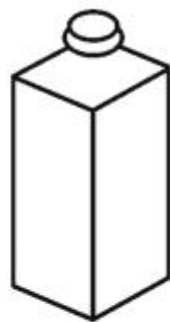
弯管

B



硬币

C



某种饮料瓶

D

2. 下列各组图形中都是平面图形的是 ()

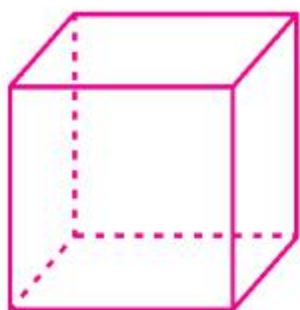
A. 三角形、圆、球、圆锥

B. 点、线、面、体

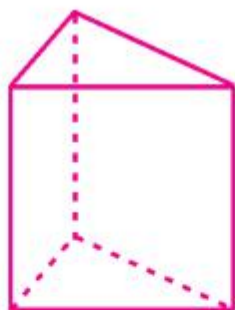
C. 角、三角形、正方形、圆

D. 点、相交线、线段、长方体

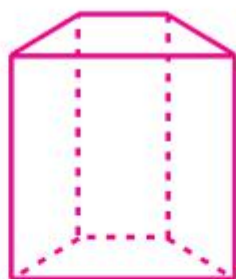
3. 如图所示的立体图形中,不是柱体的是 ()



A



B



C



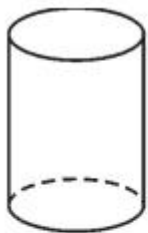
D

4. 下面几种图形:①三角形;②长方形;③正方体;④圆;⑤圆锥;⑥圆柱. 其中属于立体图形的是_____

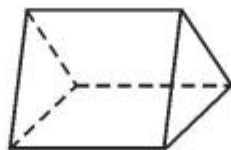
5. 说出与下列物体类似的立体图形名称:

数学课本类似于_____,金字塔类似于_____
_____,西瓜类似于_____,日光灯管类似于_____

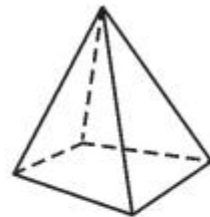
6. 写出下列立体图形的名称.



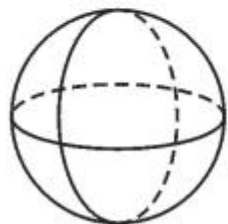
()



()



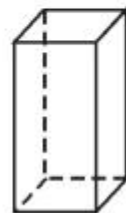
()



()



()



()

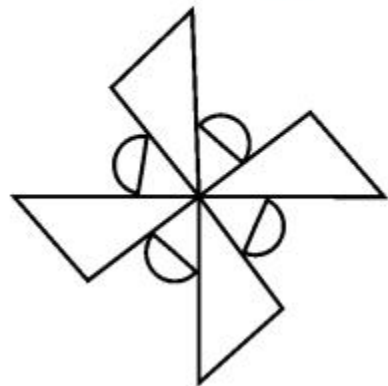




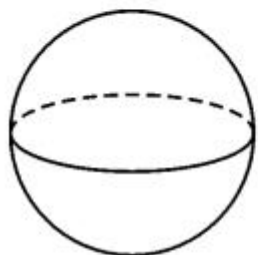
巩固强化

——提升能力

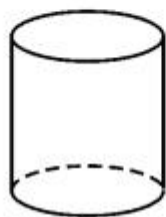
7. (2017年南京市)不透明袋子中装有一个几何体模型,两位同学摸该模型并描述它的特征,甲同学:它有4个面是三角形;乙同学:它有8条棱.该模型的形状对应的立体图形可能是 ()
- A. 三棱柱 B. 四棱柱
C. 三棱锥 D. 四棱锥
8. 如图,组成这个美丽图案的图形有 ()
- A. 三角形和扇形
B. 圆和四边形
C. 圆和三角形
D. 圆和扇形



9. 在下图所示的几何体中,属于柱体的有 _____
_____ ;属于锥体的有 _____ ;属于球体的有
_____ .



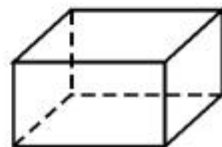
①



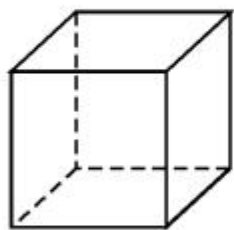
②



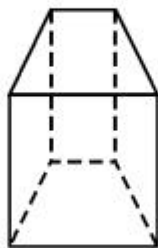
③



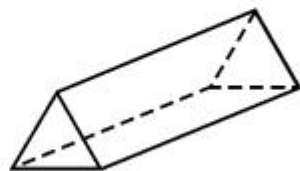
④



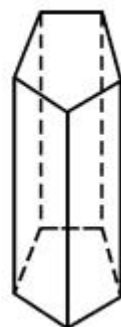
⑤



⑥

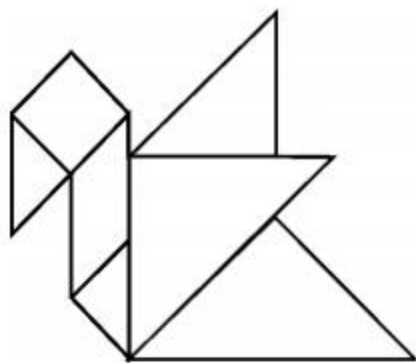


⑦

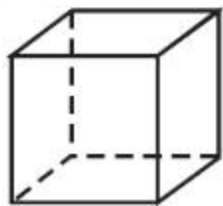
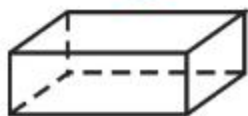


⑧

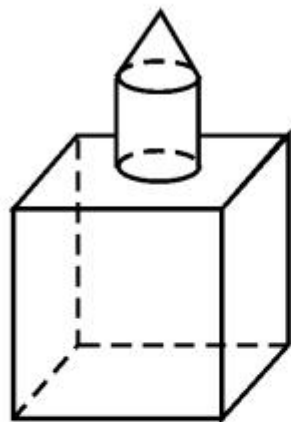
10. 用一副七巧板拼成如图一幅“美丽的小天鹅”图形,其中有_____个直角三角形,_____个平行四边形,_____个正方形.



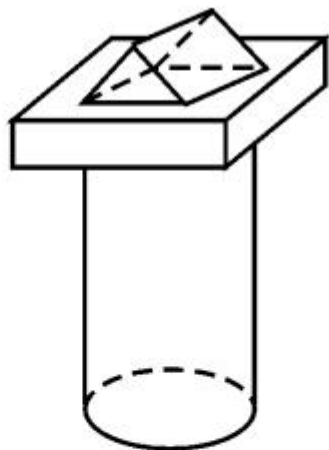
11. 如图,把下列物体和与其相似的图形连接起来.



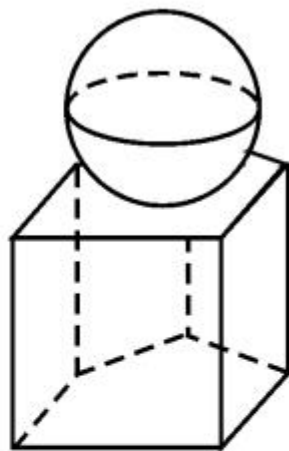
12. 指出图中各物体是由哪些立体图形组成的？



(1)



(2)



(3)













































