1、如图，用正方体石墩垒石梯，下图分别表示垒到一、二、三阶梯时的情况，那么照这样垒下去，

①填出下表中未填的两空，观察规律。

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 阶梯级数 | 一级 | 二级 | 三级 | 四级 |
| 石墩块数 | 3 | 9 |  |  |

② 垒到第n级阶梯时，共用正方体石墩\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_块(用含n的代数式表示)。

2、弹簧的长度y(cm)与所挂物体的质量x (kg)的关系是一次函数，

图象如右图所示，则弹簧不挂物体时的长度是\_\_\_\_\_\_\_\_\_\_\_cm；

y

x

5

20

21

12

英语阅读理解

Most of the flowers in nature are red, orange and yellow. If we have seen a black flower, it’s chance in million.

People have made a survey of colors of more than four thousand kinds of flowers and found that only eight of them are black.

As we know, sunlight is formed (形成) by seven different colored lights. The wave length (波长) of each light is different, so the quantity (量) of heat in each light is also different. Flowers especially their petal (花瓣), are easy to be harmed (伤害) by high temperature.

Black flowers can take in all the light waves which cause the flowers to dry up in a high temperature. So black flowers can rarely (很少) survive (挺过) sunlight. But red flowers, orange flowers and yellow flowers can protect (保护) themselves from sunlight by reflecting (反射) the red light, orange light and yellow light, each of which has a large quantity of heat.

( )76.People can\_\_\_\_\_\_\_ see black flowers.

A. often B. never C. hardly ever D. always

( )77.The underlined word “ them” in the second paragraph refers to (指) \_\_\_\_\_\_.

A. a thousand B. colors C. flowers D. kinds

( )78.The passage mainly tells us that \_\_\_\_\_\_\_.

A. black flowers are too weak and it is difficult for them to grow up

B. there are only eight black flowers in nature

C. sunlight has seven different colored lights and the wave length of each is different

D. why it’s difficult for black flowers to grow

( )79.How do red flowers, orange flowers or yellow flowers protect themselves from sunlight?

A. By taking in the light. B. By reflecting the light.

C. By hiding themselves. D. By sleeping.

( )80.Which of the following ideas is NOT right?

A. The black flowers cannot protect themselves from the sunlight.

B. Red, orange and yellow flowers can also take in the light of all wave lengths.

C. People have found that only a few kinds of flowers are black.

D. Flowers are easy to be harmed by very high temperature.