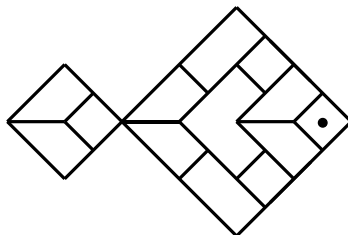


1.  $2020 - 1919 =$  \_\_\_\_\_

2. There are \_\_\_\_\_ squares in the figure below.

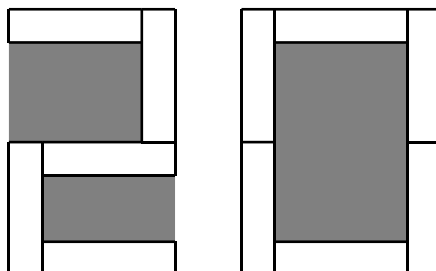


3. There is a group of magical elves living in the forest. Three little elves will automatically merge into a middle elf, and three middle elves will automatically merge into a big elf. If there are initially 50 little elves in the forest, then after the automatic merging is completed, there will be at least \_\_\_\_\_ small, middle, and big elves in total.

4. Fill in numbers 1-4 in the space so that each row and column does not repeat. The number outside the row indicates that these two numbers are adjacent to each other in the given order, while the number outside the column indicates that these two numbers are adjacent to each other in the given order. The four-digit number from left to right in the last row is \_\_\_\_\_.

		4		
		3		
2	3			
1	3			
3	1			

5. Xiaoming pieced together 11 identical white small rectangles to form the “20” pattern shown in the following figure. It is known that the shaded area in pattern “0” is 16 square centimetres larger than that in pattern “2”. Therefore, the area of a white small rectangle is \_\_\_\_\_ square centimetres.



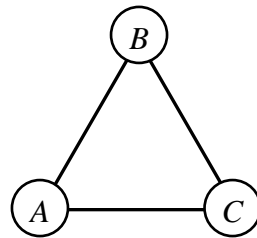
6. We divide the oil wells in a certain mining area into three categories: A, B, and C. Among them, the number of Class B oil wells is 1 more than twice that of Class A oil wells, the number of Class C oil wells is three times the total of the other two categories, and the number of Class C oil wells is 212 more than that of Class B oil wells. Therefore, the number of Class C oil wells is \_\_\_\_\_.

7. In the following figure, the same Chinese characters represent the same number, while different Chinese characters represent different numbers. Therefore, the maximum four-digit number represented by “同心共筑” is \_\_\_\_\_.

$$\begin{array}{r}
 \text{中 国 梦} \\
 + \text{同 心 共 筑} \\
 \hline
 2 \quad 0 \quad 1 \quad 9
 \end{array}$$

8. Xiaoyu raised some chickens and rabbits at home. The number of chickens was three more than twice that of rabbits. One day, Xiaoyu sprinkled some deformation potion on the chickens and rabbits. All the chickens turned into two heads and three legs, and all the rabbits turned into one head and five legs. After counting, Xiaoyu found that the total number of legs of all the animals was 93 more than the total number of animals, so there were a total of \_\_\_\_\_ chickens and rabbits.

9. A, B, and C are three different numbers from 1 to 9, and  $A < B < C$ . Find the difference of the two numbers at each line to get three differences, the three differences exactly form an arithmetic sequence. There are \_\_\_\_\_ filling methods that meet the requirements.



10. There are two magical small islands. The people on Truth Island only tell the truth, and the people on Devil Island only tell lies. One day, seven people from Truth Island and Devil Island went on a boat trip together. The boatman asked, "Who comes from Truth Island and who comes from Devil Island?"

Assuming these 7 people are called 1, 2, 3, 4, 5, 6, 7 respectively.

1 said, "2, 3, and 4 are all from Devil's Island."

2 said, "3 is from Devil's Island."

3 said, "Neither 2 nor I are from Devil's Island."

4 said, "Both 5 and 6 are people from Truth Island."

5 said, "4 is from Devil's Island."

6 said, "7 is not from Truth Island."

7 said, "I come from Truth Island."

So, the numbers of all the people from Devil's Island, arranged in ascending order, make up a number. The number is \_\_\_\_\_.

11. The teacher wrote down 1 on the blackboard. 1. A and B took turns to perform the following operations:

A erases the number on the blackboard each time, and then writes a number that is twice or three times of the erased number;

B erases the number on the blackboard each time and writes a number that differs by 1 from the erased number

One operation of A and one operation of B are called a round.

First, A operates. At least by the end of round \_\_\_\_\_, the number on the blackboard happens to be 2020.

For Question 12:

Please fill in the ten-thousands place + thousands place on the answer sheet with the number of what you consider to be the best question in this test; the answer range is from 01 to 11.

Please fill in the hundreds place on the answer sheet with the level of difficulty you consider for the overall test paper, with "1" being the easiest and "9" being the most difficult, totalling nine levels; the answer range is from 1 to 9.

Please fill in the tens place + units place on the answer sheet with the number of what you consider to be the most difficult question in this test; the answer range is from 01 to 11.

(All answers within the specified range will receive points, and all assessments will be considered as the individual's valid assessment of this test paper. No answers or answers beyond the specified range will not receive points.)