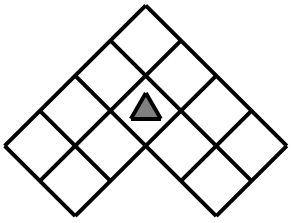
1. $(1949+70+1)\div(100+1)=$_____.

2. During the 70th National Day military parade, there were three aircraft formations containing fighter jets, helicopters, and transport planes. If there were 15 planes that were not fighter jets, 16 planes that were not helicopters, and 17 planes that were not transport planes, then the total number of planes in these three formations is _____.

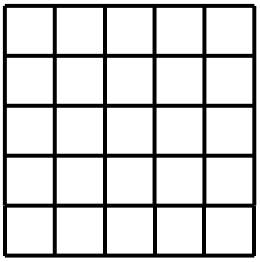
3. In the figure below, the number of rectangles containing the shaded triangle is _____.



4. Big Eater, with a large appetite, can eat a lot. Big Eater eats 1 bowl of rice on the first day, and each day afterward, the amount of rice eaten is twice that of the previous day. Once Big Eater finds that the remaining rice is not enough for one day, he will only eat 1 bowl. If 100 bowls of rice are prepared for Big Eater, then these bowls of rice are enough for Big Eater to eat for _____ days.

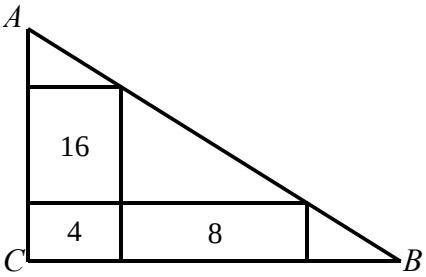
5. New Year is here, and Xiaoyue and Dayue have prepared a total of fewer than 20 candies. Dayue first gives some of his candies to Xiaoyue, and at this point, Xiaoyue's number of candies is three times that of Dayue. Later, Xiaoyue returns three times the number of candies Dayue gave him. At this point, Dayue's number of candies is three times that of Xiaoyue. So, originally, Xiaoyue and Dayue had a total of _____ candies.

6. In the figure, cut out 8 small squares (each with a side length of 1) along the grid lines of a 5×5 square grid paper, so that the remaining shape is a whole. The maximum perimeter of the remaining shape is _____.



7. The four-digit number 2020 is quite special. In this four-digit number, there are exactly 2 zeros, 0 ones, 2 twos, and 0 threes. If we arrange the occurrences of 0 to 3 from left to right, it exactly forms 2020. We call such numbers "New Year numbers." Write another four-digit "New Year number": _____.

8. In the figure, given that the areas of the three rectangles are 16, 4, and 8, the area of triangle ABC is _____.



9. On the first day, each breadfruit tree has 1 breadfruit hanging on it.

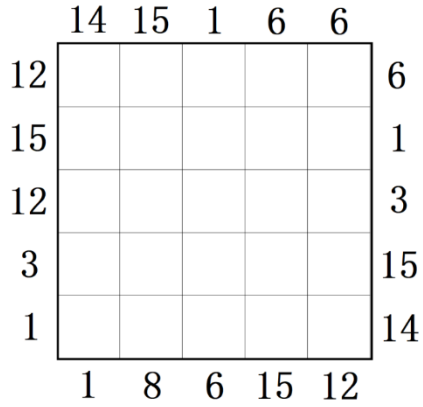
On the second day, the elf can use magic to make all the surviving breadfruit trees have 2 breadfruits each (regardless of how many there were originally).

On the third day, the elf can use magic to make all the surviving breadfruit trees have 3 breadfruits each (regardless of how many there were originally).

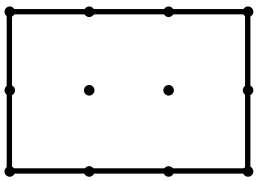
And so on...

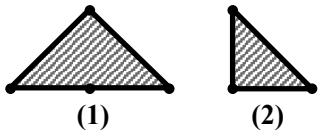
When all the breadfruits are picked from a tree, the tree immediately dies.If the elf needs to pick 20 breadfruits every day, there should be at least _____ breadfruit trees in the forest on the first day to ensure that the elf can survive continuously.

10. Fill in the blanks with numbers from 1 to 5, ensuring that each row and each column has unique numbers. The numbers outside each row (left or right) indicate the sum of the first x numbers when viewed from that direction. Similarly, the numbers outside each column (up or down) indicate the sum of the first x numbers when viewed from that direction. The five-digit number formed by the third row from left to right is _____.



11. The bottom-left figure is a 3×2 rectangle. Xiaoya wants to use the 2 (1) triangles in the bottom-right figure and 8 (2) triangles without overlap to cover the bottom-left figure. There are _____ ways to cover it.





12. 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, totaling 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.)