Mathlete Training Centre
2023 HUA XIA CUP PRELIMINARY ROUND PRIMARY 1

1. Hua has 16 candies more than Xia. How many candies should Hua give Xia so that both of them have the same number of candies?

2. Hua is practising some questions. He finished 25 questions. 13 questions are left. How many questions does Hua need to do in total?

3. If

$$\circ = \triangle + \triangle$$

$$\square = \circ + \circ$$

Then how many $\triangle$ is one $\square$ equal to?

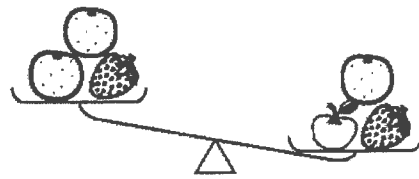4. Refer to the figures, which fruit is the heaviest? (Answer with the code)
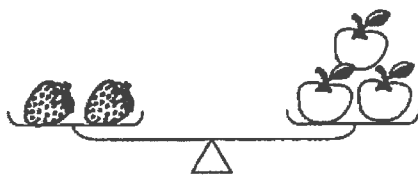
圖一 圖二
Figure 1 Figure 2
第 4 題 Question 4

號碼 Code	水果 Fruit	號碼 Code	水果 Fruit	號碼 Code	水果 Fruit
1	🍓	2	🍎	3	🍊

5. Which is the biggest odd number below?

$$56602, 4718, 9421, 6579, 23031, 13715, 61208, 8597$$

6. If

$$\circ + \triangle = 23$$
$$\triangle + \triangle + \circ = 32$$

Then what does 'o' stand for?

7. Find the value of 192- 44 - 56.

8. Refer to the sequences, the numbers are arranged in a pattern. What is the 10th number?

9. Refer to the sequences, the figures are arranged in a pattern. Which is the next figure? (Answer with the code)

號碼 Code	圖形 Figure	號碼 Code	圖形 Figure	號碼 Code	圖形 Figure
1	△	2	◯	3	◇
4	■	5	⬡		

10. At the first stop, 16 passengers got on a bus. After reaching the second stop, 7 passengers get off and 9 passengers got on the bus. Then the bus reaches the terminal. How many passengers were carried by the bus in the whole journey?

Section B (Q11 - Q20) Each question is worth 7 marks

11. The ages of Hua, Xia and Bei are 8, 10 and 24 years old respectively. How many years later will the sum of the ages of Hua and Xia be equal to that of Bei?

12. 2 boxes of milk and 1 box of juice cost 50 dollars. 2 boxes of milk and 3 boxes of juice cost 90 dollars. How much does 1 box of milk cost?

13. Hua's playing cards are 20 fewer than Xia's. Xia's playing cards are 5 times of Hua's. How many playing cards does Xia have?

14. 23 students from Class 2-1 are queuing in a line. Xia is the 20th from the front. What position is Xia from the back?

15. A, B and C are one-digit numbers. The following equation is valid. What is the three-digit number $\overline{ABC}$?

$$\boxed{A}4 + 8\boxed{B} = \boxed{C}7$$

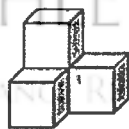16. Refer to the figures. There are 4 blocks in Figure 1. How many blocks are there in Figure 2?

图一
Figure 1
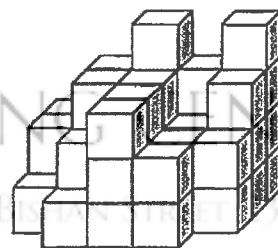
图二
Figure 2

17. Refer to the sequences, the digits are arranged under a pattern. What is the 48th digit?

$$1232312323123\ldots$$

18. Bei had some biscuits. She ate half of the biscuits first. Then she ate 20 biscuits. 23 biscuits were left in the end. How many biscuits did Bei have at the beginning?

19. Hua can finish 144 exercise questions in 6 days. At this rate, how many exercise questions can Hua finish in 8 days?

20. A, B and C are one-digit numbers. The following equation is valid. What is the three-digit number $\overline{ABC}$?

$$\boxed{A}2 \times \boxed{B} = 3\boxed{C}4$$