Mathlete Training Centre
2023 HUA XIA CUP PRELIMINARY PRIMARY 2

1. Xia has 28 candies. He ate 13 candies. Then he bought 10 candies. Compared to the original, how many fewer candies does Xia have?

2. Hua has 20 candies. Xia has 23 candies. After Hua gives Xia 5 candies, how many candies does Hua have more than Xia?

3. The price of 1 box of building blocks is equal to that of 3 boxes of puzzles. The price of 1 box of puzzles is equal to that of 2 balls. How many balls is equivalent to the price as 2 boxes of building blocks?

4. Hua and Xia have 15 candies in total. Hua has 3 candies fewer than Xia. How many candies does Hua have?

5. There are 4 children. Each two children shake hands once. How many handshakes were made?

6. Find the value of $591 + 153 + 628 + 409 + 847$.

7. It is given that $12 \times 4 = 12 + 12 + 12 + 12 = 48$. Find the value of 2023×4.

8. A quadrilateral prism has 12 edges. How many edges does a heptagonal prism have?

9. Which is even among the following expressions? (Answer with the code)

號碼 Code	算式 Expressions	號碼 Code	算式 Expressions
1	$79 + 36 - 68 + 89 - 25$	2	$46 - 68 + 81 + 70 + 14$
3	$97 + 39 + 79 - 24 + 58$	4	20×23
5	$2023 \div 7$		

10. 12 students are folding paper cranes. 35 pink cranes are folded, which are 13 more than yellow cranes. How many paper cranes are folded in total?

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

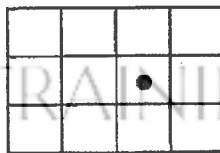11. There are some chickens and rabbits in a cage. There are 9 heads and 28 legs. How many chickens are there?

12. Refer to the figure. How many quadrilaterals containing the black dot are there?

13. Refer to the sequence, the digits are arranged in a certain pattern. How many '1's are there among the first 36 digits?

$$123321112333321123...$$

14. 5 packs of seaweed and 7 bags of potato chips cost 128 dollars. 3 packs of seaweed and 4 bags of potato chips cost 75 dollars. How much do 1 pack of seaweed and 1 bag of potato chips cost in dollars?

15. Students of class 2A lined up to form a rectangle. The number of people in each column are the same. The number of people in each row are the same. Hua is one of them. Given there are 3 people in front of Aiden and there are 2 people behind Hua. He is the 3rd counting from the left and 4th counting from the right. How many students are there in class 2A?

16. There are five boxes in different sizes. Box 1 is bigger than 3 boxes. Box 5 is smaller than the largest. Leave your answer as a five-digit number. (For example, if Box 1 is bigger than Box 2, Box 2 is bigger than Box 3, Box 3 is bigger than Box 4, and Box 4 is bigger than Box 5, please answer '12345'.)

17. Hua ia planting trees along one side of the road outside school. The road is 100 metres long. Trees are planted from one end for every 7 metres. How many trees would be planted in total?

18. Refer to the sequence, the numbers are arranged in a certain pattern. What is the 6th number?

23   18   16   17   21   _   38

19. Hua and Xia are climbing up stairs. They start from the 1st floor. When Hua reaches the 4th floor, Xia reaches the 3rd floor. Which floor will Xia reach when Hua reaches the 25th floor?

20. How many terms are there in the arithmetic sequence '20, 23, 26, 29, ..., 56, 59'?