

Mathlete Training Centre  
2023 HUA XIA CUP PRELIMINARY PRIMARY 2

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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?

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

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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?

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

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

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

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

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

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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	$20 \times 23$
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?

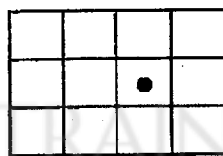
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12. Refer to the figure. How many quadrilaterals containing the black dot are there?



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

12333211233321123...

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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?

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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 Hua and there are 2 people behind Hua. He is the 3<sup>rd</sup> counting from the left and 4<sup>th</sup> counting from the right. How many students are there in class 2A?

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16. There are five boxes in different sizes. Box 1 is bigger than 3 boxes. Box 5 is smaller than Box 4. There are 2 boxes having sizes between Box 3 and Box 5. Leave your answer as a five-digit number. Arrange the boxes from the largest. (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'.)

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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?

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

23    18    16    17    21    -    38

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

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

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