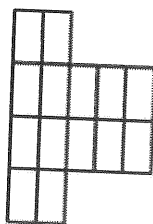1. Calculate 20.18x20.17-20.17x20.16.

2. There is a sequence: 238, 240, 242, ……
   What is the number of the 135th ?

3. The average mark of Amy's 8 times examinations are 74, after the 9th examination, Amy got her latest average mark which is 76. Calculate how much did Amy got in her 9th of examination.

4. Calculate the total number of the rectangles in the diagram above.

5. 7142b0 is a 6-digit number; b could be replaced by some of the numbers so that it could be divided by 7. How many possible values of b.

6. The length of a train is 240m and it travels 25m for every second. Calculate how long (m) is the cave if the train needs to take 12 seconds to across the crave

7. The width of a flyover is 8m and the area of the flyover is 960m². After that, the flyover has increased the width by 16m but the length remaining the same. What is the area of the flyover after the renovation?

8. The distance of a race for the rabbit and the turtle are 3000m. The speed for the turtle is 30m per minute while the speed for the rabbit is 300m per minute but the lazy rabbit was taking a nap in the middle of the race. At the end, the rabbit was late by 2 minutes than the turtle. Calculate how many m did the rabbit have taken for nap?

9. The age of a grandfather is 70 while the sum of his 3 grandchildrens is 40. After how many years do the grandchildrens need to take then they have the same age as their grandfather now?

10. The total number of the chickens and the rabbits are 100, the leg of the chickens are 80 more than the rabbits. Calculate how many chickens and rabbits are there?

11. If $\dfrac{a-6}{b+3} = 2$, then what is the value of a − 2b?

12. The sum of the 5 consecutive numbers is 5565, what is the product of the smallest and biggest number?

13. Calculate

$$\dfrac{2 + \cfrac{1}{2 + \cfrac{1}{2 + \cfrac{1}{2}}}}{3 + \cfrac{1}{3 + \cfrac{1}{3 + \cfrac{1}{3}}}}.$$

14. If the denominator of $\frac{3}{5}$ added another 2, what is the number should the numerator can be added so that the fraction remaining the same answer?

15. "$\otimes$" is a new symbol of calculation, there are some equations below.

$6 \otimes 2 = 6 - 1 - 2 = 3$;　$7 \otimes 3 = 7 - 1 - 2 - 3 = 1$,　$15 \otimes 4 = 15 - 1 - 2 - 3 - 4 = 5$

If $n \otimes 8 = 36$, then what is the number of n?

16. A surface area for a rectangle is 368cm² while the bottom area of the rectangle is 40cm². Not only that, the perimeter of bottom is 36cm². What is the volume of the rectangle?

17. There are 89 same sizes of buttons on the table which is included red, white and black colors. If arrange the buttons according the methods of 1 red button, 3 white buttons and 2 black buttons, what is the fraction of the total number of the black buttons?

18. If the sum of the two prime numbers is 2001, then what is the product of prime numbers between these two numbers?

19. A car and a lorry drove from two places toward each other which distance is 630km at the same time. The speed for the car driver was 50km per hour while the speed of the lorry driver was 55km per hour. Calculate after how many hour(s) then the distance between the 2 drivers are 105km?

20. Starting from 1, the difference of the next term and the previous term is 3, you may get a sequence. What is the 100th number in the sequence?

21. Calculate the ones of $1^{2018} + 9^{2017} + 5^{2017}$.

22. Minah was calculating a division question by using calculator, but she accidentally key in the number wrongly which is the first and the second number of the divided number. Calculate how much is the original number should be divided if the number divided by 5 and got 87437?

23. The product of A and B are 10000 which are 40 times of the sum of A and B, but A is 4 times of B. Then, what are the number of A and B?

24. Calculate $123 \times 456 \div 789 \div 456 \times 789 \div 123$.

25. Adrian, Bobby, Cindy, Donny and a teacher are joining a chess competition, 2 persons for each round, but so far Adrian has done his 4 rounds of competition, Bobby has done 3 rounds, Cindy has done 2 rounds while Donny has done 1 round of the competition. Calculate how many round(s) did the teacher have done?