Problem 1. Calculate 1-2+3-4+5-6+7-․ + 19-20
Problem 2. Calculate $(-5) \times(-4) \times(-3)+(-4) \times(-3) \times(-2)+(-3) \times(-2) \times(-1)$
Problem 3. Calculate $(1-9) \times(2-8) \times(3-7) \times \ldots \times(8-2) \times(9-1)$
Problem 4. By how much is the sum of negative integers greater than ( -10 ) smaller than the sum of all natural numbers smaller than 10 ?

Problem 5. Find the greatest three-digit number $x y \overline{\overline{\bar{Z}}}$ that has different even digits and where

$$
x<y ; y>z ; z<7 .
$$

Problem 6. The number 111...111, which is written using 21 ones, is divided by 3. How many digits 3 are there in the quotient?

Problem 7. If $\mathrm{A}(2 ; 2), \mathrm{B}(1 ; 3), \mathrm{C}(4,1)$, find the area of $\triangle A B \mathrm{C}$

Problem 8. A rectangle that can be divided into three identical squares has an area of 363 cm 2 . How many cm is the perimeter of this rectangle?

Problem 9. The average of 9 numbers is -11 , and the average of 7 of them is -3 . Find the average of the other 2 numbers.

Problem 10. A square with a side length of 3 cm and a triangle have equal perimeters and a common side. Find the length of the largest side of the triangle if it is measured in integer centimeters. Hint: Each side of the triangle is smaller than the sum of the other two sides.

