

# VIII Кубок школы №57



## + снег - елка

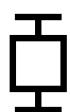
Перед вами необычные математические операции. Разгадайте логику их работы, опираясь на приведенные примеры, и найдите правильные ответы к задачам.



- $10 \otimes 20 = 1020$
- $6 \otimes 7 = 67$
- $27 \otimes 1 = 271$
- $1 \otimes 2 \otimes 3 = 123$



- $10 \angle 2 = 20$
- $123 \angle 2 = 133$
- $9876 \angle 1 = 9877$
- $90 \angle 2 = 0$
- $100 \angle (1 \angle 1) = 110$



- $10 \boxminus 3 = 1$
- $25 \boxminus 7 = 4$
- $273 \boxminus 181 = 92$
- $181 \boxminus 273 = 181$
- $1000 \boxminus 10 = 0$



- $\Phi(10) = 6$
- $\Phi(2) = 3$
- $\Phi(0) = 4$
- $\Phi(103) = 6$
- $\Phi(375) = 18$
- $\Phi(1000000) = 7$



- $\odot(10) = 1$
- $\odot(123) = 321$
- $\odot(3003) = 3003$
- $\odot(76) = 67$
- $\odot(2424421) = 1244242$



- $\mathbb{B}(1) = 1$
- $\mathbb{B}(2) = 1$
- $\mathbb{B}(4) = 3$
- $\mathbb{B}(18) = 2584$
- $\mathbb{B}(7) = 13$

1.  $(10 \divideontimes 2) - 30 =$
2.  $(700 \angle 2) \boxplus 27 =$
3.  $\Phi((5 \divideontimes 7) \boxdot (5 \angle 7)) =$
4.  $\mathbb{B}(5) * \Phi(8) - (2 \angle (1 \angle 1)) =$
5.  $\circledcirc(\circledcirc(25 * 62)) + (140007 \boxplus 10) =$

Пространство для размышлений ↓

A large rectangular grid consisting of 20 columns and 20 rows of small squares, intended for students to work out their calculations for the math problems listed above.