Задача 1

$1234 \cdot 4567 = ?$

- $12 + 34 = 46$, $45 + 67 = 112$; $46 \cdot 112 = ?$
  - $4 + 6 = 10$, $11 + 2 = 13$, $10 \cdot 13 = 130$
  - $4 \cdot 11 = 44$
  - $6 \cdot 2 = 12$
  - $46 \cdot 112 = 44 \cdot 10^2 + (130 - 44 - 12) \cdot 10 + 12 = 5152$
- $12 \cdot 45 = ?$
  - $1 + 2 = 3$, $4 + 5 = 9$, $3 \cdot 9 = 27$
  - $1 \cdot 4 = 4$
  - $2 \cdot 5 = 10$
  - $12 \cdot 45 = 4 \cdot 10^2 + (27 - 4 - 10) \cdot 10 + 10 = 540$
- $34 \cdot 67 = ?$
  - $3 + 4 = 7$, $6 + 7 = 13$, $7 \cdot 13 = 91$
  - $3 \cdot 6 = 18$
  - $4 \cdot 7 = 28$
  - $34 \cdot 67 = 18 \cdot 10^2 + (91 - 18 - 28) \cdot 10 + 28 = 2278$
- $1234 \cdot 4567 = 540 \cdot 10^4 + (5152 - 540 - 2278) \cdot 10^2 + 2278 = 5400000 + 233400 + 2278 = 5635678$