



## ФОРМУЛА ЗА СЪКРАТЕНО УМНОЖЕНИЕ $(A \pm B)^2$

Име: \_\_\_\_\_ Дата: \_\_\_\_\_ Клас: \_\_\_\_\_

**Задача 1. Преобразувай и опрости изразите:**

$$(x + 3)^2 =$$

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$$(2a - 5)^2 =$$

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$$(m + 7)^2 =$$

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$$(4x - 2)^2 =$$

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**Задача 2. Числови квадрати без калкулатор:**

$$99^2 =$$

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$$102^2 =$$

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$$49^2 =$$

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$$89^2 =$$

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**Задача 3. Числови квадрати без калкулатор:**

$$(x + 2)^2 =$$

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$$(5 - a)^2 =$$

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$$(3x + 4)^2 =$$

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$$(2m - 1)^2 =$$

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$$(p + q)^2 =$$

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$$(100 - 3)^2 =$$

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$$\left(x + \frac{1}{2}\right)^2 =$$

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$$\left(a - \frac{3}{4}\right)^2 =$$

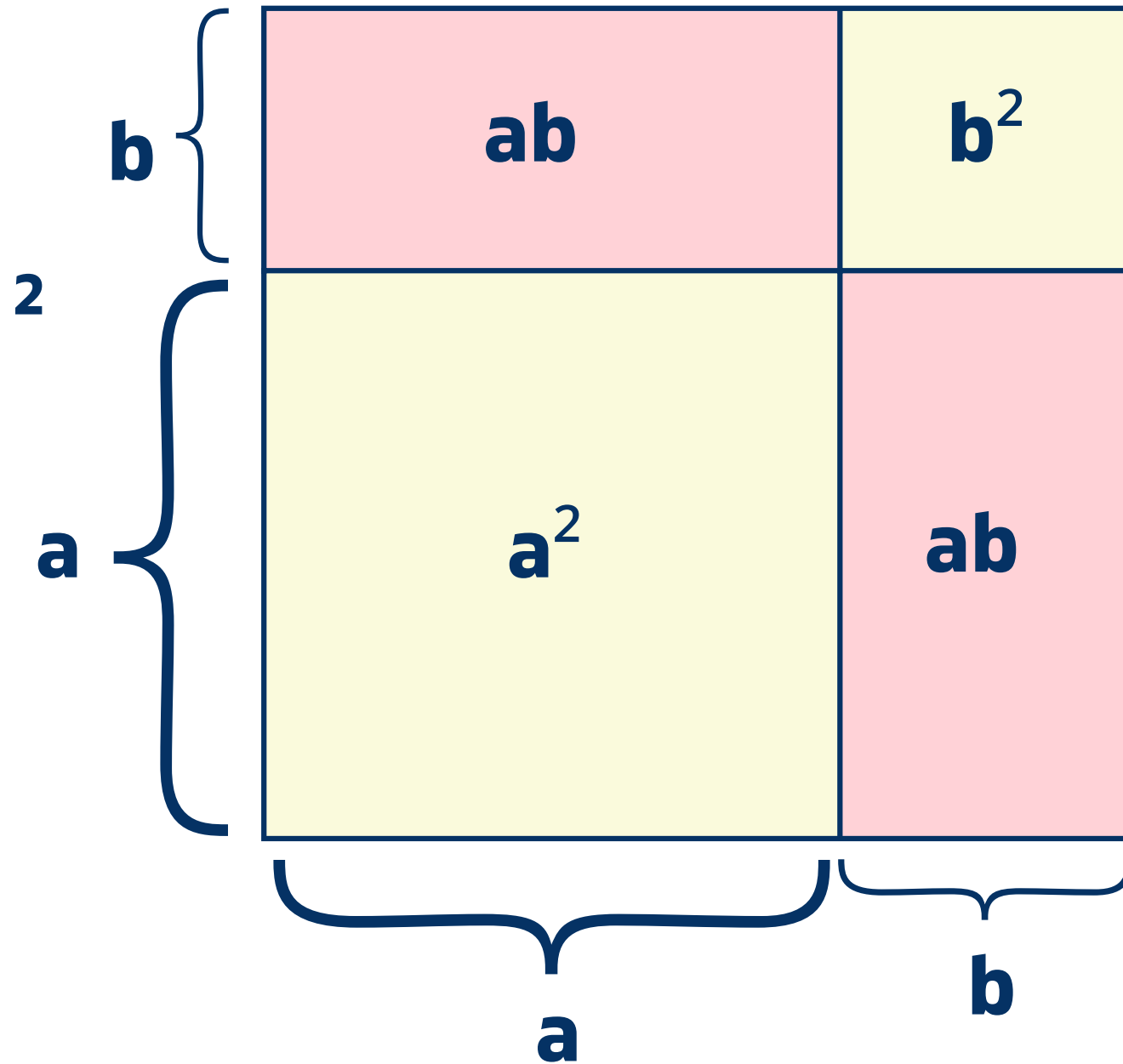
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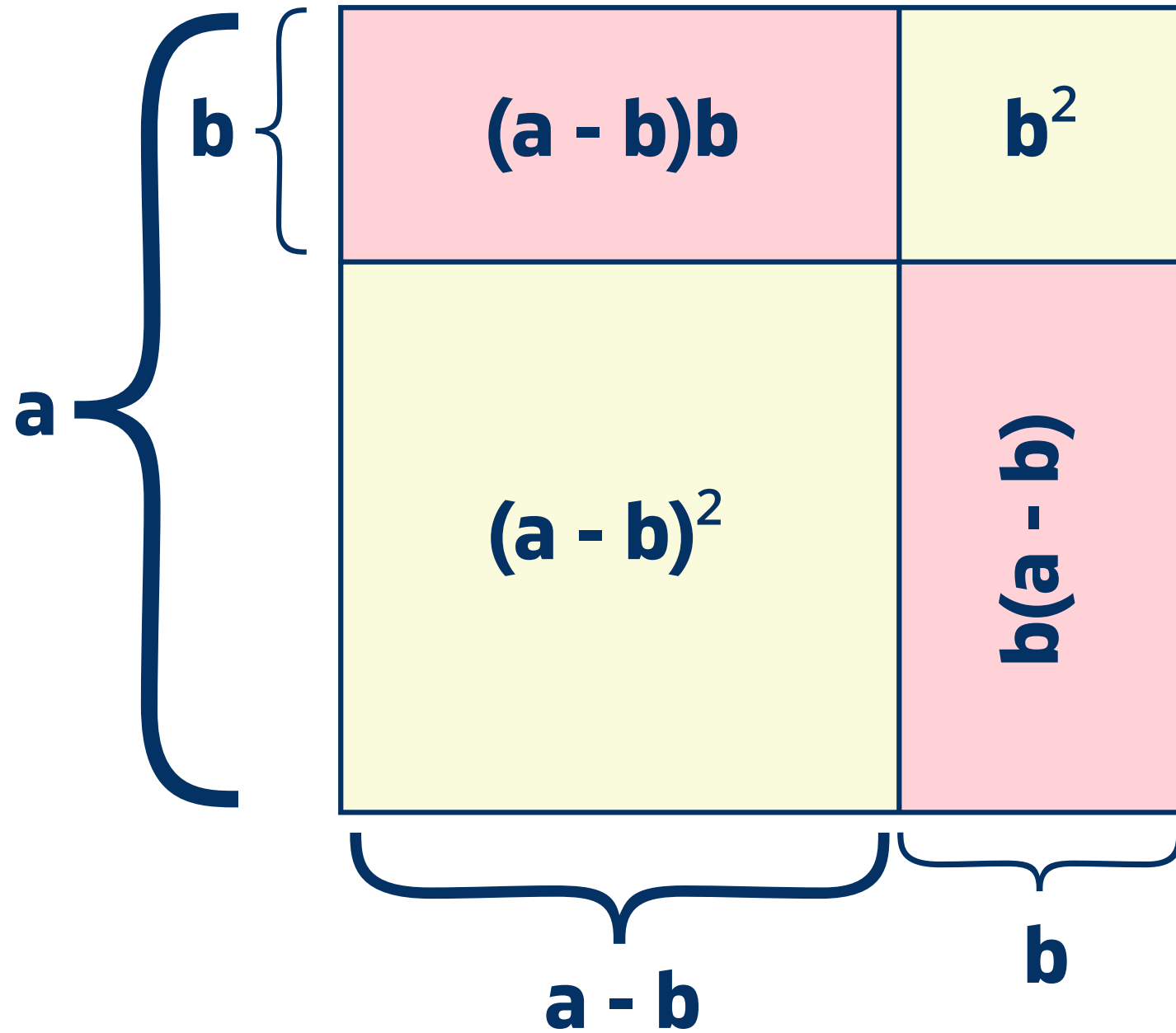
**Задача 4. Преобразувайте и опростете израза:**

$$\left(\frac{1}{3}a - 0,1\right)^2 =$$

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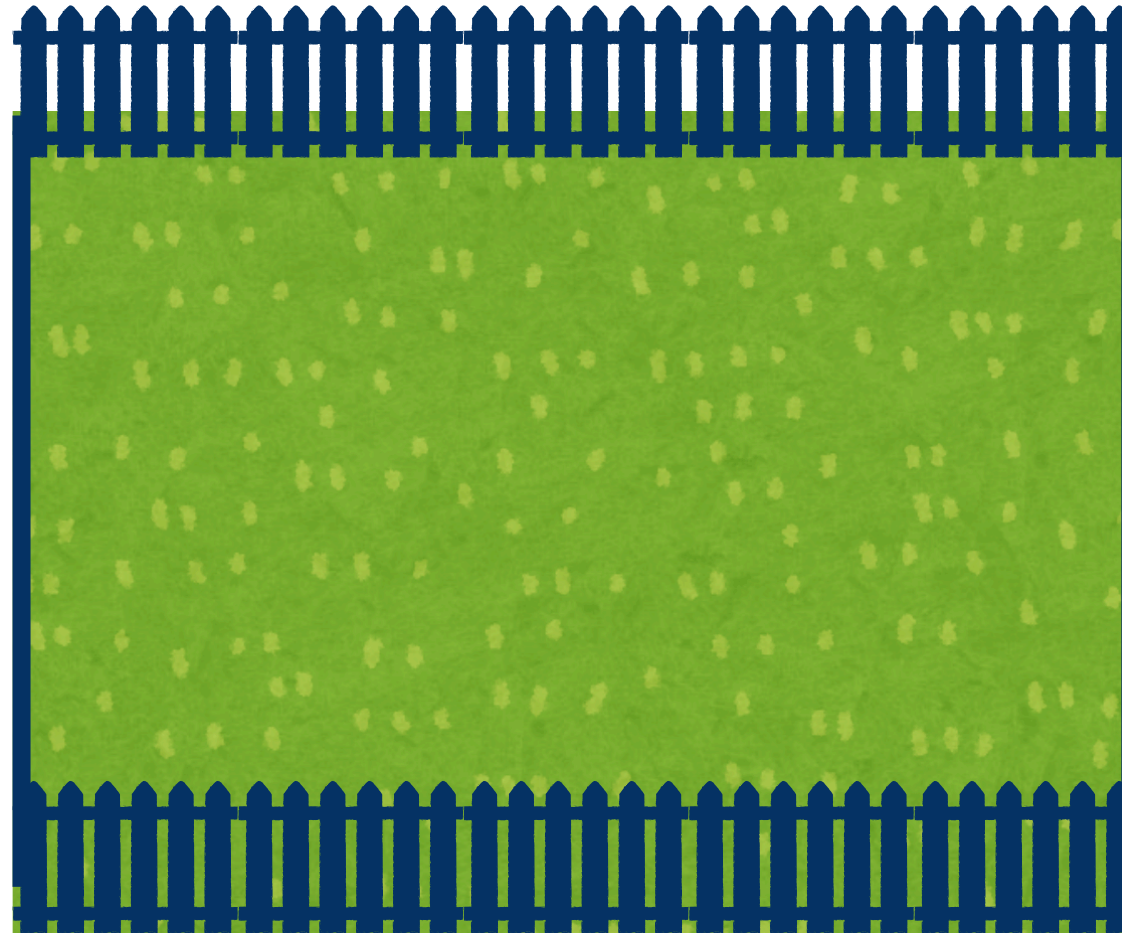




$$101^2 = (100+1)^2 = 100^2 + 2 \cdot 100 \cdot 1 + 1^2 = 10\ 000 + 200 + 1 = 10\ 201$$

$$198^2 = (200-2)^2 = 200^2 - 2 \cdot 200 \cdot 2 + 2^2 = 40\ 000 - 800 + 4 = 39\ 204$$

101 m



101 m