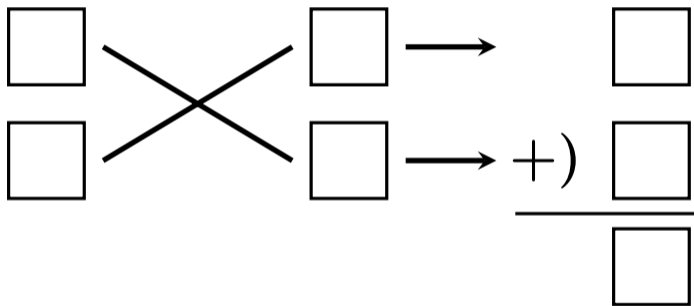


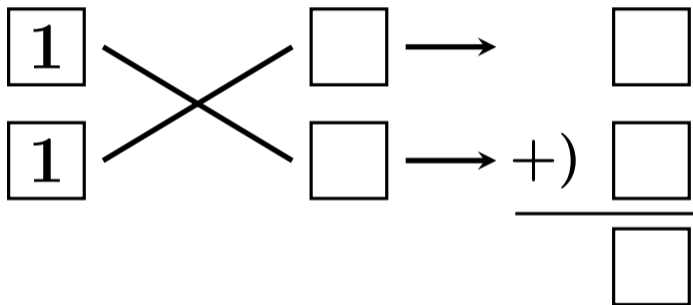
$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18$$



$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18$$



$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

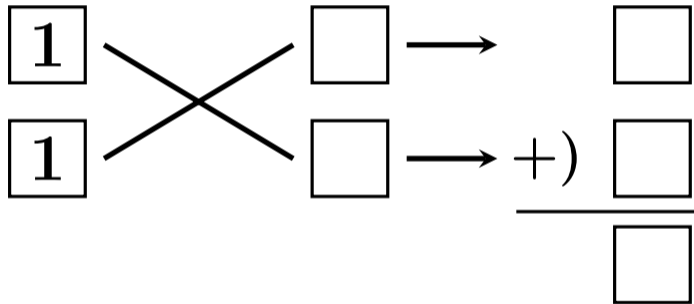
$$x^2 - 3x - 18$$

1 **マイナスは後回し** →

1 → +)

$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18$$



かけ算で 18 は

$$1 \times 18$$

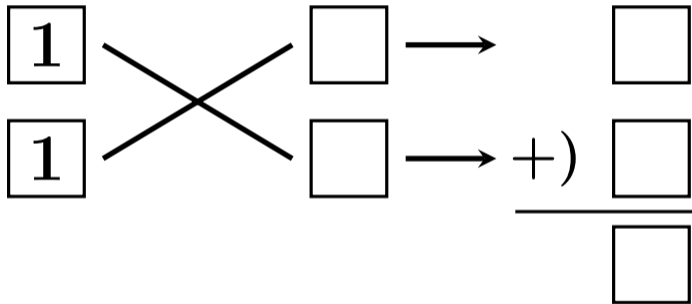
$$2 \times 9$$

$$3 \times 6$$

$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18$$

3が作れる組合せは



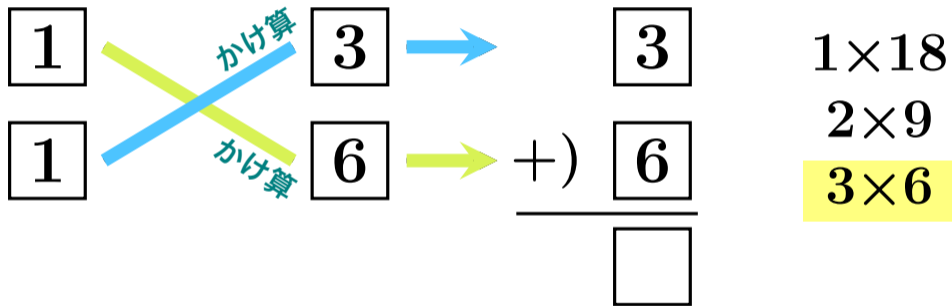
$$1 \times 18$$

$$2 \times 9$$

$$3 \times 6$$

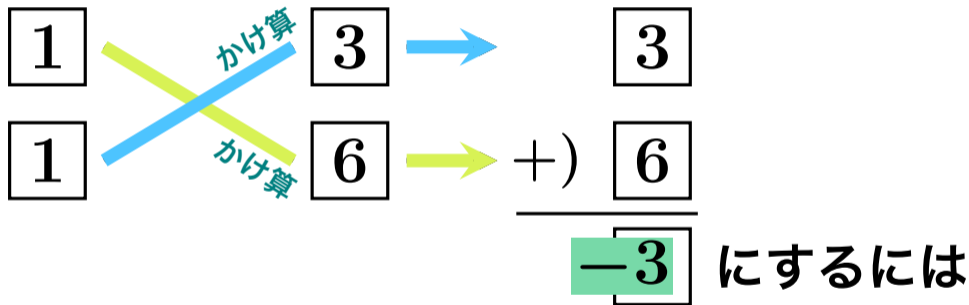
$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18$$



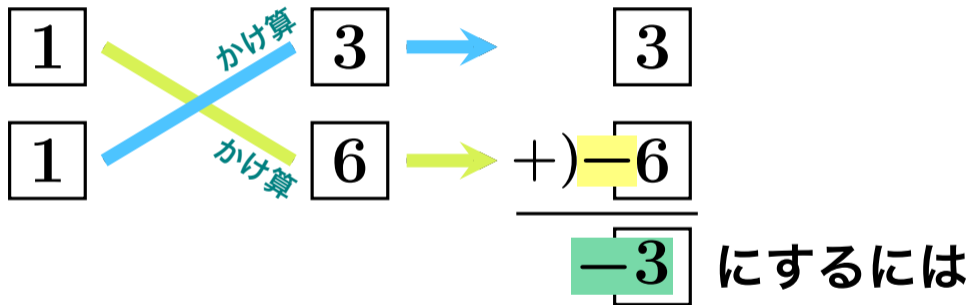
$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18$$



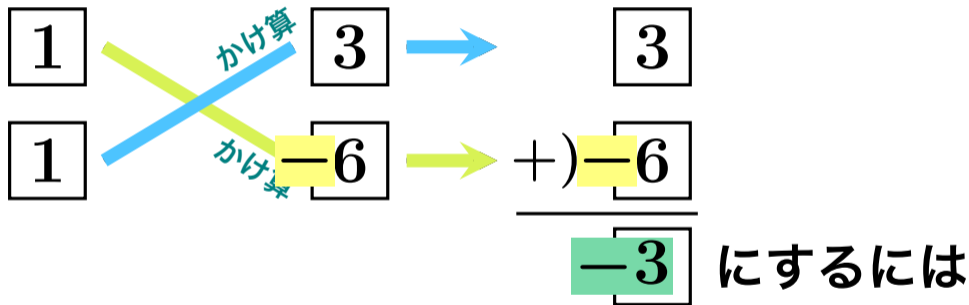
$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18$$



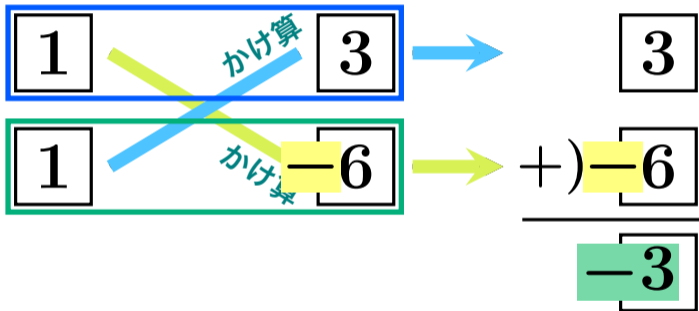
$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18$$



$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18 = (x + 3)(x - 6)$$



$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18 = 0$$

$$(x + 3)(x - 6) = 0$$

$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18 = 0$$

$$(x + 3)(x - 6) = 0$$

$$x + 3 = 0 \text{ または } x - 6 = 0$$

$$x = -3 \text{ または } x = 6$$

$$\boxed{\text{答}} \quad x = -3, 6$$

$x^2 - 3x - 18 = 0$ を解きなさい #15162122hoshukai

$$x^2 - 3x - 18 = 0$$

$$(x + 3)(x - 6) = 0$$

逆

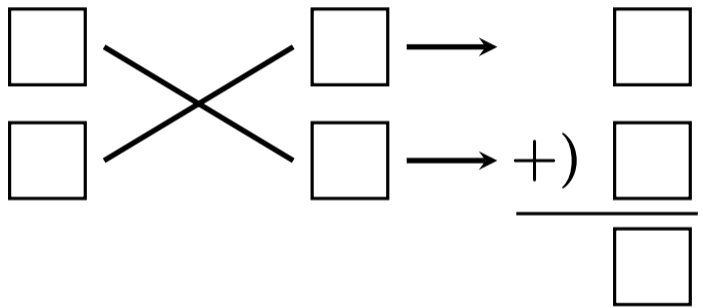
逆

答

$$x = -3, 6$$

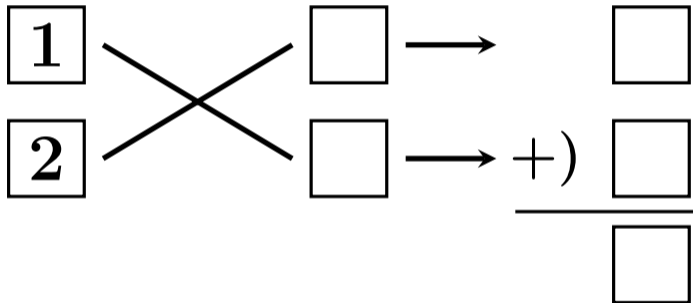
$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + x - 3$$



$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + x - 3$$



$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

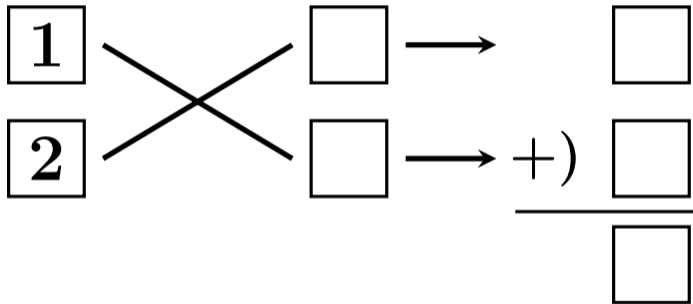
$$2x^2 + x - 3$$

1 **マイナスは後回し** \rightarrow

2 \rightarrow $+) \begin{array}{r} \text{} \\ \hline \text{} \end{array}$

$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + x - 3$$

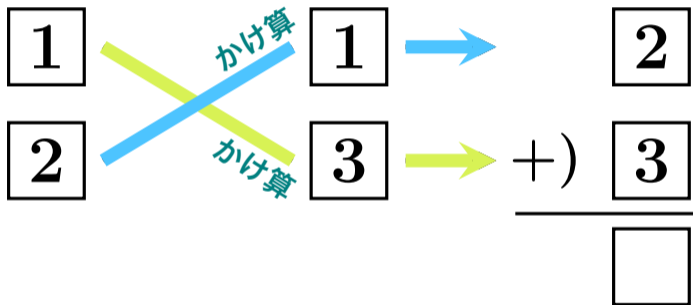


かけ算で3は

$$1 \times 3$$

$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + x - 3$$

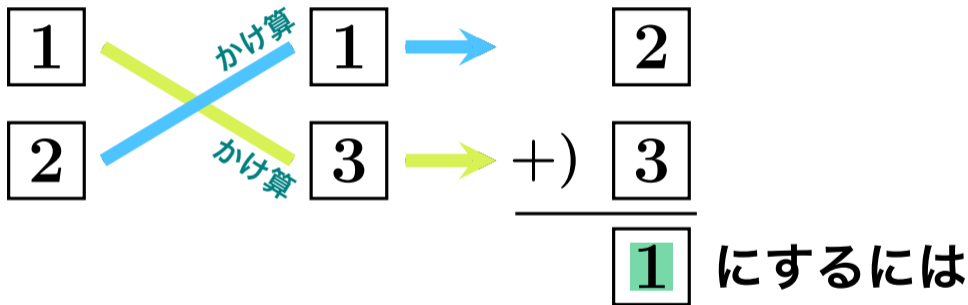


かけ算で**3**は

$$1 \times 3$$

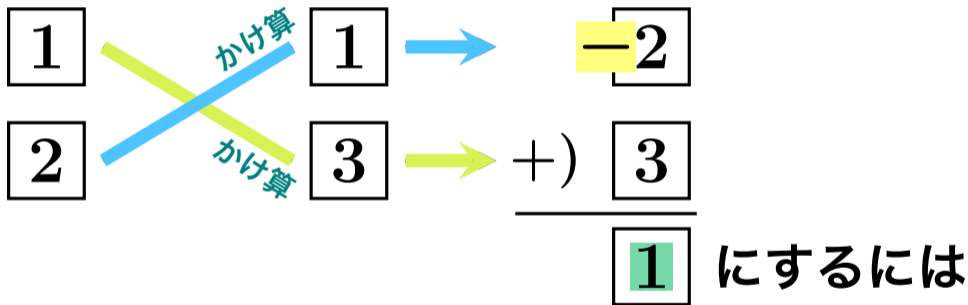
$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + 1x - 3$$



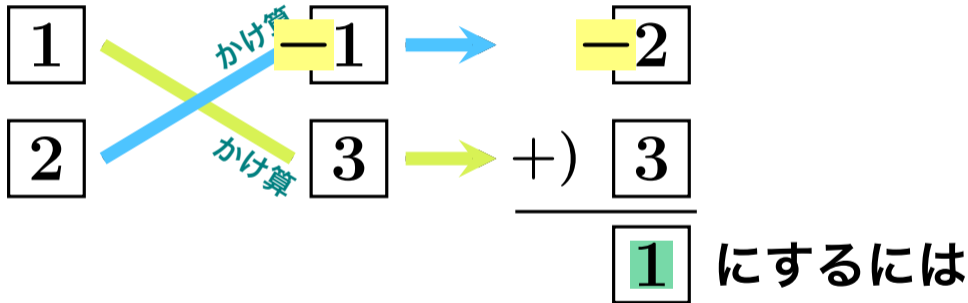
$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + 1x - 3$$



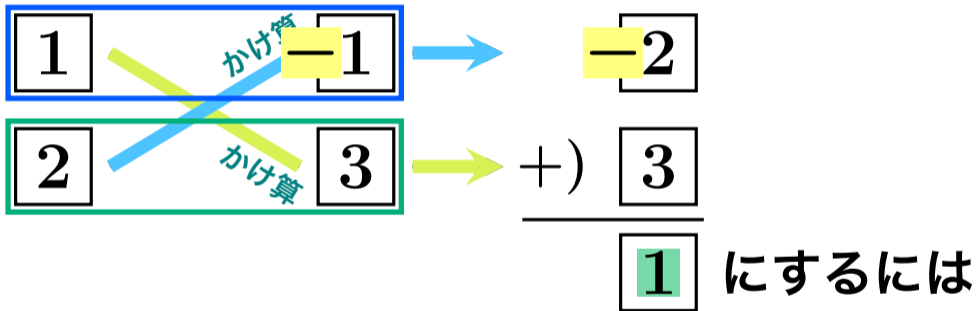
$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + 1x - 3$$



$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + 1x - 3 = (x - 1)(2x + 3)$$



$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + x - 3 = 0$$

$$(x - 1)(2x + 3) = 0$$

$2x^2 + x - 3 = 0$ を解きなさい #15162122hoshukai

$$2x^2 + x - 3 = 0$$

$$(x - 1)(2x + 3) = 0$$

$$x - 1 = 0 \text{ または } 2x + 3 = 0$$

$$x = 1 \text{ または } 2x = -3$$

$$\boxed{\text{答}} \quad x = 1, -\frac{3}{2}$$

$2x^2 + x - 3 = 0$ を解きなさい

解の公式でも解けるが、計算が少し面倒になる。

$a = 2, \quad b = 1, \quad c = -3$ を

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad \text{に代入して}$$

$2x^2 + x - 3 = 0$ を解きなさい

$$\begin{aligned}x &= \frac{-1 \pm \sqrt{1^2 - 4 \times 2 \times (-3)}}{2 \times 2} \\&= \frac{-1 \pm \sqrt{1 + 24}}{4} \\&= \frac{-1 \pm \sqrt{25}}{4}\end{aligned}$$

$2x^2 + x - 3 = 0$ を解きなさい

$$\begin{aligned}x &= \frac{-1 \pm \sqrt{25}}{4} \\ &= \frac{-1 \pm 5}{4} \\ &= \frac{-1 + 5}{4}, \frac{-1 - 5}{4}\end{aligned}$$

$2x^2 + x - 3 = 0$ を解きなさい

$$\begin{aligned}x &= \frac{-1+5}{4}, \frac{-1-5}{4} \\ &= \frac{4}{4}, \frac{-6}{4} \\ &= 1, \frac{-3}{2} \quad \boxed{\text{答}}\end{aligned}$$