

かっこをふくむ比例式と一次方程式

次の比例式を解きましょう。

$$\textcircled{1} \quad (x + 2) : 33 = 2 : 6$$

$$\textcircled{2} \quad (x + 2) : 18 = 2 : 6$$

$$\textcircled{3} \quad (x - 4) : 10 = 2 : 10$$

$$\textcircled{4} \quad (x - 3) : 18 = 4 : 12$$

$$\textcircled{5} \quad 9 : 12 = 3 : (x - 1)$$

$$\textcircled{6} \quad 8 : 6 = 4 : (x - 2)$$

$$\textcircled{7} \quad 6 : 60 = 1 : (x + 3)$$

$$\textcircled{8} \quad 9 : 63 = 1 : (x - 1)$$

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次の比例式を解きましょう。

$$\textcircled{1} \quad (x + 2) : 33 = 2 : 6$$

$$6(x + 2) = 66$$

$$6x + 12 = 66$$

$$6x = 54$$

$$x = 9$$

$$\textcircled{2} \quad (x + 2) : 18 = 2 : 6$$

$$6(x + 2) = 36$$

$$6x + 12 = 36$$

$$6x = 24$$

$$x = 4$$

$$\textcircled{3} \quad (x - 4) : 10 = 2 : 10$$

$$10(x - 4) = 20$$

$$10x - 40 = 20$$

$$10x = 60$$

$$x = 6$$

$$\textcircled{4} \quad (x - 3) : 18 = 4 : 12$$

$$12(x - 3) = 72$$

$$12x - 36 = 72$$

$$12x = 108$$

$$x = 9$$

$$\textcircled{5} \quad 9 : 12 = 3 : (x - 1)$$

$$9(x - 1) = 36$$

$$9x - 9 = 36$$

$$9x = 45$$

$$x = 5$$

$$\textcircled{6} \quad 8 : 6 = 4 : (x - 2)$$

$$8(x - 2) = 24$$

$$8x - 16 = 24$$

$$8x = 40$$

$$x = 5$$

$$\textcircled{7} \quad 6 : 60 = 1 : (x + 3)$$

$$6(x + 3) = 60$$

$$6x + 18 = 60$$

$$6x = 42$$

$$x = 7$$

$$\textcircled{8} \quad 9 : 63 = 1 : (x - 1)$$

$$9(x - 1) = 63$$

$$9x - 9 = 63$$

$$9x = 72$$

$$x = 8$$