

Berechne den Wert des Terms:

$$3 * (-4) + 5 = -12 + 5 = -7$$

$$9 - (-2) * 3 = 9 - (-6) = 15$$

$$12 : 3 * (-2) = 4 * (-2) = -8$$

$$27 : (-9) + 21 - 3 * 4 = -3 + 21 - 12 = 6$$

$$84 - 24 + 30 : 3 - 60 - (-2) * 5 = 60 + 10 - 60 - (-10) = 20$$

$$1 + (-2) * 3 - 4 : (-2) * 3 + 1 = 1 + (-6) - (-6) + 1 = -5 - (-6) + 1 = 1 + 1 = 2$$

$$3 * (4 + (-8)) - 5 = 3 * (-4) - 5 = -12 - 5 = -17$$

Fasse zusammen:

$$1 + (-2x) - 4x * 5 - 6 : 3 = 1 + (-2x) - 20x - 2 = -1 - 22x$$

$$9 * ((-2x) + 3) + 5 + (-2) * 3x = -18x + 27 + 5 + (-6x) = -24x + 32$$

$$12a - 6b - 3 + (-2) * 3 + 7b * (-2) = 12a - 6b - 3 + (-6) + (-14b) = 12a - 20b - 9$$

$$21y * (-2) - 4 * (19 - 5) + 8x : (-2) - y = -42y - 56 + (-4x) - y = -43y - 56 + (-4x)$$

$$3 : (-2) + 1,5 - 4 * 7x * (8 - 4) = -1,5 + 1,5 - 112x = -112x$$

$$9x + 8 - 7x * 6 + 5x - 4 * 3x : (-2) + 1x = 9x + 8 - 42x + 5x - (-6x) + 1x = -21x + 8$$

$$56a + 33f - 12a * 12 - 34 * (-2) * f = 56a + 33f - 144a - (-68f) = -88a + 101f$$

Löse die Gleichungen :

$$3 * 3 + x + (-2) * 4,5 = 48 : (-2) - (-2x)$$

$$9 + x + (-9) = -24 - (-2x)$$

$$x = -24 - (-2x) \quad | + (-2x)$$

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

$$x - 2x = -24$$

$$-x = -24 \quad | : (-1)$$

$$x = 24$$

$$(-2) * (4x - 3) = 6x + (-2) * (9 - 5) : (-2)$$

$$-8x + 6 = 6x + (-2) * 4 : (-2)$$

$$-8x + 6 = 6x + 4 \quad | + 8x$$

$$6 = 14x + 4 \quad | - 4$$

$$2 = 14x \quad | : 14$$

$$x = 2/14$$

Ergänze die Berechnungen:

$$12x - 4 = 13x + 17 \quad | + 4$$

$$14x = 13x + 21 \quad | - 13x$$

$$x = 21$$

$$\dots\dots\dots x - 5 = -20 + 4x \dots\dots\dots | - 4x$$

$$\dots\dots\dots -3x - 5 = -20 \dots\dots\dots | + 5$$

$$\dots\dots\dots -3x = -15 \dots\dots\dots | : (-3)$$

$$x = 5$$