

Gleichungen mit Brüchen

G.Roofls

- $13 - \frac{1}{4}x = 3x \quad |$

- $13 - \frac{1}{4}x = 3x \quad |$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

- $$13 - \frac{1}{4}x = 3x \quad | \cdot 4$$
$$52 - x = 12x \quad |$$

- $$13 - \frac{1}{4}x = 3x \quad | \cdot 4$$
$$52 - x = 12x \quad | + x$$

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$$52 - x = 12x \quad | + x$$
$$52 = 13x \quad |$$

- $$13 - \frac{1}{4}x = 3x \quad | \cdot 4$$
$$52 - x = 12x \quad | + x$$
$$52 = 13x \quad | : 13$$

- $$13 - \frac{1}{4}x = 3x \quad | \cdot 4$$
$$52 - x = 12x \quad | + x$$
$$52 = 13x \quad | : 13$$
$$4 = x$$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

$$52 = 13x \quad | : 13$$

$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad |$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

$$52 = 13x \quad | : 13$$

$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad |$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

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- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

$$52 = 13x \quad | : 13$$

$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

$$\frac{1}{2}x = x + 10 \quad |$$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

$$52 = 13x \quad | : 13$$

$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

$$\frac{1}{2}x = x + 10 \quad | \cdot 2$$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

$$52 = 13x \quad | : 13$$

$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

$$\frac{1}{2}x = x + 10 \quad | \cdot 2$$

$$x = 2x + 20 \quad |$$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

$$52 = 13x \quad | : 13$$

$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

$$\frac{1}{2}x = x + 10 \quad | \cdot 2$$

$$x = 2x + 20 \quad | -2x$$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

$$52 = 13x \quad | : 13$$

$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

$$\frac{1}{2}x = x + 10 \quad | \cdot 2$$

$$x = 2x + 20 \quad | -2x$$

$$-x = 20 \quad |$$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

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$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

$$\frac{1}{2}x = x + 10 \quad | \cdot 2$$

$$x = 2x + 20 \quad | -2x$$

$$-x = 20 \quad | \cdot (-1)$$

- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

$$52 - x = 12x \quad | + x$$

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$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

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- $13 - \frac{1}{4}x = 3x \quad | \cdot 4$

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$$52 = 13x \quad | : 13$$

$$4 = x$$

- $\frac{1}{2}x - 3 = x + 7 \quad | + 3$

$$\frac{1}{2}x = x + 10 \quad | \cdot 2$$

$$x = 2x + 20 \quad | -2x$$

$$-x = 20 \quad | \cdot (-1)$$

$$x = -20$$

- $\frac{5}{8}(x - 3) = 5 \quad |$

- $\frac{5}{8}(x - 3) = 5 \quad |$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad |$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | :5$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad |$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | :5$$
$$x - 3 = 8 \quad | + 3$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad |$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | :5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad |$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad | \cdot 15$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad | \cdot 15$$
$$9x -$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad | \cdot 15$$
$$9x - 5x =$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad | \cdot 15$$
$$9x - 5x = 60$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad | \cdot 15$$
$$9x - 5x = 60$$
$$4x = 60 \quad |$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad | \cdot 15$$
$$9x - 5x = 60$$
$$4x = 60 \quad | : 4$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad | \cdot 15$$
$$9x - 5x = 60$$
$$4x = 60 \quad | : 4$$
$$x = 15$$

- $$\frac{5}{8}(x - 3) = 5 \quad | \cdot 8$$
$$5(x - 3) = 40 \quad | : 5$$
$$x - 3 = 8 \quad | + 3$$
$$x = 11$$

- $$\frac{3}{5}x - \frac{1}{3}x = 4 \quad | \cdot 15$$
$$9x - 5x = 60$$
$$4x = 60 \quad | : 4$$
$$x = 15$$

- $7x - \frac{3}{5}(x + 1) = -1 \quad |$

- $7x - \frac{3}{5}(x + 1) = -1 \quad |$

- $7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$

- $$7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$$
$$35x - 3(x + 1) = -5$$

- $$7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$$
$$35x - 3(x + 1) = -5$$
$$35x - 3x - 3 = -5$$

- $$7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$$
$$35x - 3(x + 1) = -5$$
$$35x - 3x - 3 = -5$$
$$32x - 3 = -5 \quad |$$

- $7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$

$$35x - 3(x + 1) = -5$$

$$35x - 3x - 3 = -5$$

$$32x - 3 = -5 \quad | + 3$$

- $7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$

$$35x - 3(x + 1) = -5$$

$$35x - 3x - 3 = -5$$

$$32x - 3 = -5 \quad | + 3$$

$$32x = -2 \quad |$$

- $7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$

$$35x - 3(x + 1) = -5$$

$$35x - 3x - 3 = -5$$

$$32x - 3 = -5 \quad | + 3$$

$$32x = -2 \quad | : 32$$

- $7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$

$$35x - 3(x + 1) = -5$$

$$35x - 3x - 3 = -5$$

$$32x - 3 = -5 \quad | + 3$$

$$32x = -2 \quad | : 32$$

$$x = -\frac{2}{32}$$

- $7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$

$$35x - 3(x + 1) = -5$$

$$35x - 3x - 3 = -5$$

$$32x - 3 = -5 \quad | + 3$$

$$32x = -2 \quad | : 32$$

$$x = -\frac{2}{32}$$

$$x = -\frac{1}{16}$$

- $7x - \frac{3}{5}(x + 1) = -1 \quad | \cdot 5$

$$35x - 3(x + 1) = -5$$

$$35x - 3x - 3 = -5$$

$$32x - 3 = -5 \quad | + 3$$

$$32x = -2 \quad | : 32$$

$$x = -\frac{2}{32}$$

$$x = -\frac{1}{16}$$