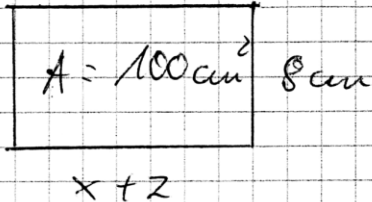


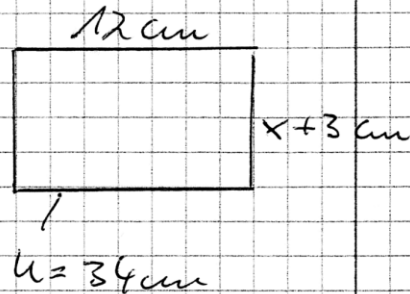
Tägliche Übung

1. Stelle ein Gleichung auf und berechne x!

a.)



b.)



2. Löse die Gleichungen!

a.) $7 + (4x + 8) = 19$ b.) $4x - (x - 12) = 27$

c.) $(5 + x) \cdot (-3) = 3x + 9$

1.

a.)

$$A = a \cdot b$$

$$100 = (x+2) \cdot 8$$

$$100 = 8x + 16 \quad /-16$$

$$84 = 8x \quad /:8$$

$$\underline{\underline{x = 10,5 \text{ cm}}}$$

b.)

$$u = 2a + 2b$$

$$34 = 2 \cdot 12 + 2(x+3)$$

$$34 = 24 + 2x + 6$$

$$34 = 30 + 2x \quad /-30$$

$$2x = 4 \quad /:2$$

$$\underline{\underline{x = 2 \text{ cm}}}$$

2. a.)

$$7 + (4x + 8) = 19$$

$$7 + 4x + 8 = 19$$

$$15 + 4x = 19 \quad /-15$$

$$4x = 4 \quad /:4$$

$$\underline{\underline{x = 1}}$$

b.)

$$4x - (x - 12) = 27$$

$$4x - x + 12 = 27$$

$$3x + 12 = 27 \quad /-12$$

$$3x = 15 \quad /:3$$

$$\underline{\underline{x = 5}}$$

$$(5 + x) \cdot (-3) = 3x + 9$$

$$-15 - 3x = 3x + 9 \quad /+3x$$

$$-15 = 6x + 9 \quad /-9$$

$$-24 = 6x \quad /:6$$

$$\underline{\underline{x = -4}}$$