Rješenja - Štoperica 5.B

Uvježbaj zadatke sa 101. stranice knjige, iz štoperice 5.B: **2.), 3.), 4.)bd, 5.), 7.) i 8.) zadatak.**

Rješenja (provjere rješenja nisu potrebne):

2. a) $8x + 2 - 3x = 4 - 5x + 6$

$8x - 3x + 5x = 4 + 6 - 2$

$10x = 8 \,/ : 10$

$x = \frac{8}{10} = \frac{4}{5}$

b) $-3(x - 4) = 8(2x - 3)$

$-3x + 12 = 16x - 24$

$-3x - 16x = -24 - 12$

$-19x = -36 \,/ : (-19)$

$x = \frac{36}{19} = 1\frac{17}{19}$

3. a) $\frac{5}{8} - \frac{1}{2}x = \frac{13}{5} - \frac{x}{4} \,/ \cdot 40$

$25 - 20x = 104 - 10x$

$-20x + 10x = 104 - 25$

$-10x = 79 \,/ : (-10)$

$x = -\frac{79}{10} = -7\frac{9}{10}$

b) $\frac{x-2}{4} - \frac{x-1}{8} = 1 \,/ \cdot 8$

$2(x - 2) - (x - 1) = 8$

$2x - 4 - x + 1 = 8$

$2x - x = 8 + 4 - 1$

$x = 11$

4. b) $3(9 - 2x) - 5(11 - x) = 28$

$27 - 6x - 55 + 5x = 28$

$-6x + 5x = 28 - 27 + 55$

$-x = 56 \,/ : (-1)$

$x = -56$

d) $\frac{3x-1}{6} - \frac{2x+1}{3} = x + \frac{x-7}{4} \,/ \cdot 12$

$2(3x - 1) - 4(2x + 1) = 12x + 3(x - 7)$

$6x - 2 - 8x - 4 = 12x + 3x - 21$

$-17x = -15 \,/ : (-17)$

$x = \frac{15}{17}$

5. $\frac{1}{2}x - 2 = x + 3 \,/ \cdot 2$

$x - 4 = 2x + 6$

$x - 2x = 6 + 4$

$-x = 10 \,/ : (-1)$

$x = -10$ **To je broj -10.**

7. $P = 30.1 \text{ cm}^2$

$\underline{a = 0.43 \text{ dm} = 4.3 \text{ cm}}$

$o = ?$

$P = a \cdot b$ $\quad o = 2 \cdot (a + b)$

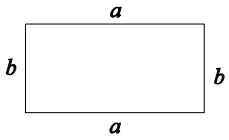
$30.1 = 4.3 \cdot b$ $\quad o = 2 \cdot (4.3 + 7)$

$b = 30.1 : 4.3$ $\quad o = 2 \cdot 11.3$

$b = 7 \text{ cm}$ $\quad o = 22.6 \text{ cm}$

Opseg pravokutnika iznosi 22.6 cm.

8.



$o = 42 \text{ cm}$

$\underline{a = 12 \text{ cm}}$

$P = ?$

$o = 2 \cdot (a + b)$

$42 = 2 \cdot (12 + b) \,/ : 2$

$21 = 12 + b$

$b = 21 - 12 = 9 \text{ cm}$

$P = a \cdot b$

$P = (12 \cdot 9) \text{ cm}^2$

$P = 108 \text{ cm}^2$

Površina pravokutnika iznosi 108 cm²

VAŽNO!

Domaća zadaća:

Iz knjige, sa 96. i 97. stranice, riješi zadatke 79.), 84.) i 90)e.