

ZADANIE 1

- a) $x+2$
- b) $\frac{1}{3}k$ lub $k:3$
- c) $12 \cdot (x-y)$
- d) $2 \cdot a - 3$

ZADANIE 2

x - ilość jabłoni

$x:2 = \frac{x}{2} = \frac{1}{2}x$ - ilość wiśni

$\frac{1}{2}x+5$ - ilość gruszy

$$x + \frac{1}{2}x + \frac{1}{2}x + 5 = 2x + 5$$

ZADANIE 3

a) $2x - 3y + 8$ dla $x=4, y=-3$
 $2 \cdot 4 - 3 \cdot (-3) + 8 = 8 + 9 + 8 = 25$

b) $\frac{x-y}{x+y}$ dla $x=1, y=\frac{1}{2}$

$$\frac{1 - \frac{1}{2}}{1 + \frac{1}{2}} = \frac{\frac{1}{2}}{\frac{3}{2}} = \frac{\frac{1}{2}}{\frac{3}{2}} = \frac{1}{2} : \frac{3}{2} = \frac{1}{2} \cdot \frac{2}{3} = \frac{1}{3}$$

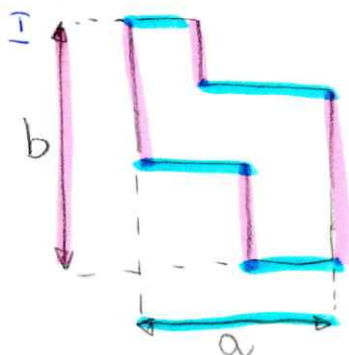
ZADANIE 4

c) $6b \cdot (-a)^2 \cdot (-\frac{1}{2})a^3 b = 6 \cdot (-\frac{1}{2}) \cdot (-a)^2 \cdot a^3 \cdot b \cdot b = -3 \cdot a^2 \cdot a^3 \cdot b^2 = -3a^5 \cdot b^2$

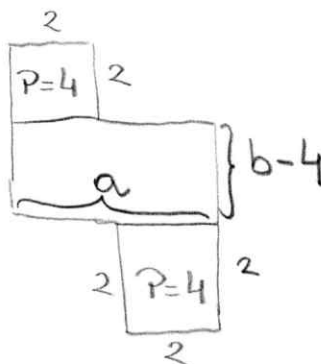
ZADANIE 5

b) $(5a+3b) : \frac{1}{2} = 5a : \frac{1}{2} + 3b : \frac{1}{2} = 5a \cdot \frac{2}{1} + 3b \cdot \frac{2}{1} = 10a + 6b$

ZADANIE 6



II



$$P = 4 + 4 + a(b-4) = 8 + ab - 4a$$

PRAWDA

Obw = $2a + 2b$
 PRAWDA

ZADANIE 7

$5000 + 85xy$ - koszt obozu w zł.

x - liczba uczestników

y - czas trwania obozu w dniach

$x = 20$

$y = 7$ dni

$$5000 + 85 \cdot 20 \cdot 7 = 5000 + 85 \cdot 140 = 5000 + 11900 = 16900 \text{ [zł]}$$

$$\begin{array}{r} 2 \\ \cdot 85 \\ \hline 140 \\ + 340 \\ + 85 \\ \hline 11900 \end{array}$$