

$$\begin{aligned}
 7 + (-12) - 3 - (-5) &= \text{(odejmowanie bez zmian)} \quad \Downarrow \quad \Downarrow \quad \Downarrow \quad \Downarrow \quad \text{(zamieniamy na dodawanie l. przeciwnych)} \\
 &= 7 + (-12) + (-3) + 5 = \text{(gdy wszędzie mamy dodawanie)} \\
 &= 12 + (-15) = -3 \quad \text{(podkreślamy liczby dodatnie, dodajemy je; podkreślamy liczby ujemne, dodajemy je)}
 \end{aligned}$$

$$\begin{aligned}
 -18 - (-3) + (-7) - 14 - (-10) &= \\
 &= -18 + 3 + (-7) + (-14) + 10 = \\
 &= 13 + (-39) = -26
 \end{aligned}$$

Zadanie 2 str 170 (P)

c) $27 - (-9) =$

$$= 27 + 9 = 36$$

d) $-60 - (-17) =$

$$= -60 + 17 = -43$$

e) $0,1 - 1 =$

$$= 0,1 + (-1) = -0,9$$

f) $-8 - 2,5 =$

$$= -8 + (-2,5) = -10,5$$

g) $-3\frac{1}{3} - (-3) =$

$$= -3\frac{1}{3} + 3 = \frac{1}{3}$$

h) $-8 - (-1\frac{1}{4}) =$

$$= -8 + 1\frac{1}{4} = -6\frac{3}{4}$$

i) $-5,4 - (-12) =$

$$= -5,4 + 12 = 6,6$$

j) $28 - 70\frac{1}{3} =$

$$= 28 + (-70\frac{1}{3}) = -42\frac{1}{3} = -51,8$$

k) $-48\frac{1}{7} - (-13) =$

$$= -48\frac{1}{7} + 13 =$$

$$= -35\frac{1}{7}$$

l) $-80,8 - (-29) =$

$$= -80,8 + 29 =$$

Zad. 3, str 170 (pozostare)

$$\begin{aligned} a) \quad -3,4 - (-1,5) &= \\ &= \underline{-3,4} + 1,5 = -1,9 \end{aligned}$$

$$\begin{aligned} b) \quad \frac{1}{4} - \frac{1}{2} &= \\ &= \frac{1}{4} + \underline{\left(-\frac{2}{4}\right)} = -\frac{1}{4} \end{aligned}$$

$$\begin{aligned} -3\frac{1}{5} - 2\frac{1}{2} &= \\ &= -3\frac{1}{5} + \underline{\left(-2\frac{1}{2}\right)} = -3\frac{2}{10} + \underline{\left(-2\frac{5}{10}\right)} = -5\frac{7}{10} \end{aligned}$$

$$\begin{aligned} 1\frac{1}{6} - \left(-2\frac{1}{12}\right) &= \\ &= 1\frac{1}{6} + 2\frac{1}{12} = 1\frac{2}{12} + 2\frac{1}{12} = 3\frac{3}{12} = 3\frac{1}{4} \end{aligned}$$

$$\begin{aligned} c) \quad 3,7 - 4\frac{2}{5} &= \\ &= 3,7 + \underline{\left(-4\frac{2}{5}\right)} = 3\frac{7}{10} + \underline{\left(-4\frac{4}{10}\right)} = -\frac{7}{10} \end{aligned}$$

$$\begin{aligned} 1,4 - \left(-1\frac{3}{4}\right) &= \\ &= 1,4 + 1\frac{3}{4} = 1,4 + 1,75 = 3,15 \end{aligned}$$

$$\begin{aligned} -2\frac{1}{6} - \left(-1,6\right) &= \\ &= -2\frac{1}{6} + 1,6 = -2\frac{1}{6} + 1\frac{6}{10} = \underline{-2\frac{5}{30}} + 1\frac{18}{30} = \\ &= -\frac{17}{30} \end{aligned}$$