вежбање, збирка страна 87

780. а) $-1{,}5 + \left(-3\frac{1}{3} + x\right) = 3\frac{1}{6}$

$-1\frac{1}{2} + \left(-3\frac{1}{3} + x\right) = 3\frac{1}{6} \quad / + 1\frac{1}{2}$

$-1\frac{1}{2} + \left(-3\frac{1}{3} + x\right) + 1\frac{1}{2} = 3\frac{1}{6} + 1\frac{1}{2}$

$-3\frac{1}{3} + x = \frac{19}{6} + \frac{3}{2}$

$-3\frac{1}{3} + x = \frac{19+9}{6} = \frac{28}{6} \quad / + 3\frac{1}{3}$

$-3\frac{1}{3} + x + 3\frac{1}{3} = \frac{28}{6} + 3\frac{1}{3}$

$x = \frac{28}{6} + \frac{10}{3} = \frac{28+20}{6}$

$x = \frac{48}{6} = 8$

b) $3\frac{1}{2} - \left(+5\frac{1}{4} - X\right) = 8$

$3\frac{1}{2} - 5\frac{1}{4} + X = 8$

$\frac{7}{2} - \frac{21}{4} + X = 8$

$\frac{14}{4} - \frac{21}{4} + X = 8$

$-\frac{7}{4} + X = 8$

$X = 8 - \left(-\frac{7}{4}\right)$

$X = 8 + \frac{7}{4} =$

$X = \frac{32+7}{4} = \frac{39}{4}$

$5\frac{1}{4} - X = 3\frac{1}{2} - 8$

$\frac{21}{4} - X = \frac{7-16}{2}$

$\frac{21}{4} - X = -\frac{9}{2}$

$X = \frac{21}{4} - \left(-\frac{9}{2}\right) = \frac{39}{4}$

b) $5{,}6-\left(x-4\frac{1}{2}\right)=-3{,}5$

$5{,}6-(x-4{,}5)=-3{,}5$

$5{,}6-x+4{,}5=-3{,}5$

$5{,}6+4{,}5-x=-3{,}5$

$10{,}1-x=-3{,}5$

$x=10{,}1-(-3{,}5)$

$x=10{,}1+3{,}5$

$x=13{,}6$

2. način:

$x-4{,}5=5{,}6-(-3{,}5)$

$x-4{,}5=5{,}6+3{,}5$

$x-4{,}5=9{,}1$

$x=4{,}5+9{,}1$

$x=13{,}6$

$4\frac{1}{2}=\frac{9}{2}$

$9:2=4{,}5$

$\frac{8}{16}$

781.a) $-2\frac{1}{2} \cdot x + \frac{3}{4} = -2$

$-\frac{5}{2} \cdot x + \frac{3}{4} = -2$

$-\frac{5}{2}x = -2 - \frac{3}{4} \quad /\cdot 4$

$-\frac{5}{2}x = -\frac{8}{4} - \frac{3}{4}$

$-\frac{5}{2}x = -\frac{11}{4}$

$x = \left(-\frac{11}{4}\right) : \left(-\frac{5}{2}\right) =$

$x = \left(-\frac{11}{4}\right) \cdot \left(-\frac{2}{5}\right)^{1}$

$x = +\frac{11}{10}$

$2 \cdot x = 2x$