a

5.95 Nimittäjä yhtälössä

esim. $\frac{2x+7}{3} = 1 \quad \| \cdot 3$

$\frac{3(2x+7)}{3} = 1 \cdot 3$

$2x + 7 = 3 \quad \| -7$

$2x + 7 - 7 = 3 - 7$

$\frac{2x}{2} = \frac{-4}{2} \quad \| : 2$

$x = -2$

5.95

506

a) $\frac{x+4}{5} = 3 \quad \| \cdot 5$

$\frac{5(x+4)}{5} = 3 \cdot 5$

$x + 4 = 15 \quad \| -4$

$x + 4 - 4 = 15 - 4$

$x = 11$

b) $\frac{3a+4}{2} = 11 \quad \| \cdot 2$

$\frac{2(3a+4)}{2} = 11 \cdot 2$

$x = 2$

508

a) $\frac{x}{2} = \frac{x+6}{4}$ $\quad \| \cdot 4$

b) $\frac{4x}{2} = \frac{4(x+6)}{4}$

c)

$2x = x + 6$ $\quad \| -x$

d) $2x - x = x + 6 - x$

$x = 6$

510

a) $\frac{x-1}{3} = \frac{2x}{7}$ $\quad \| \cdot 21$

b)

c) $\frac{21(x-1)}{3} = \frac{3 \cdot 7 \cdot 2x}{7}$

d) $7(x-1) = 3 \cdot 2x$

~~$7(x-1) =$~~

$7x - 7 = 6x$ $\quad \| -6x$

$7x - 7 - 6x = 6x - 6x$

$x - 7 = 0$ $\quad \| +7$

$x - 7 + 7 = 0 + 7$

$x = 7$