

Peruskasojat

$$\text{Esim. } 5 \cdot 4 - 1 = 20 - 1 = \underline{\underline{19}}$$

$$\text{Esim. } 12 - 4(3 + 2) = 12 - 4 \cdot 5 = 12 - 20 = \underline{\underline{-8}}$$

$$\text{TAI: } 12 - 12 - 8 = \underline{\underline{-8}} \quad \underbrace{-(-7)}$$

$$\text{Itseisarvo: } \text{Esim. } |-7| = 7 \quad |5| = 5$$

$$\text{Esim. } \underbrace{|1 - \sqrt{3}|}_{< 0} = -(1 - \sqrt{3}) = -1 + \sqrt{3} = \underline{\underline{\sqrt{3} - 1}}$$

$$\text{kun } a \text{ itseisarvo } |a| = \begin{cases} a, & \text{kun } a \geq 0 \\ -a, & \text{kun } a < 0 \end{cases}$$

Murtoluku laskenja

$$\text{Esim. } \overset{2}{\frac{2}{3}} + \overset{3}{\frac{5}{2}} = \frac{4}{6} + \frac{15}{6} = \underline{\underline{\frac{19}{6}}}$$

$$\text{Esim. } \overset{6}{\frac{4}{5}} - \overset{15}{\frac{1}{2}} + \overset{10}{\frac{7}{3}} = \frac{24}{30} - \frac{15}{30} + \frac{70}{30} = \underline{\underline{\frac{79}{30}}}$$

$$\text{Esim. } \frac{2}{5} \cdot \frac{3}{4} = \frac{2 \cdot 3}{5 \cdot 4} = \frac{\overset{3}{6}}{\overset{10}{20}} = \underline{\underline{\frac{3}{10}}}$$

$$\text{Esim. } \frac{8}{5} : \frac{3}{2} = \frac{8}{5} \cdot \frac{2}{3} = \underline{\underline{\frac{16}{15}}}$$