

LÖSNINGAR

RÄKNEORDNING

(LÄTART)

$$\begin{aligned} \textcircled{1} \quad 3 - 6 \cdot 5 &= \\ &= 3 - 30 = \underline{\underline{-27}} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad -5 - 6(5+8) &= \\ &= -5 - 6(13) = \\ &= -5 - 6 \cdot 13 = -5 - 78 = \underline{\underline{-83}} \end{aligned}$$

(OBS $-6 \cdot 13$
neg. pos = neg)

$$\begin{aligned} \textcircled{3} \quad 4(7-8^2) &= \\ &= 4(7-64) = \\ &= 4 \cdot (-57) = \\ &= \underline{\underline{-228}} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad (-2)^4 - 3(2-5^2) &= \\ &= 16 - 3(2-25) = \\ &= 16 - 3(-23) = \\ &= 16 + 69 = \\ &= \underline{\underline{85}} \end{aligned}$$

(OBS! neg. neg =
= pos)

LÖSNINGAR : RÄKNEORNING (svåare)

$$\begin{aligned}
 \textcircled{1} \quad & 6 - 8(7 - 5^2 - 4) = \\
 & = 6 - 8(7 - 25 - 4) = \\
 & = 6 - 8(-22) = \\
 & = 6 - 8 \cdot (-22) = \\
 & = 6 + 176 = \underline{\underline{182}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(OBS! } (7 - 25 - 4) & = \\
 & = -18 - 4 = \\
 & = -22!
 \end{aligned}$$

(OBS! Multiplikation med negativ tal!
neg · neg = pos)

$$\begin{aligned}
 \textcircled{2} \quad & 2 \cdot 8 + 6^3 - 2((-2)^3 - 2 - 4) = \\
 & = 16 + 36 - 2(-8 - 2 - 4) = \\
 & = 52 - 2(-14) = \\
 & = 52 + 28 = \underline{\underline{80}}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{3} \quad & -3^2 - 4(13 + 3^3 - 20) = \\
 & = -9 - 4(13 + 27 - 20) = \\
 & = -9 - 4(20) = \\
 & = -9 - 80 = \underline{\underline{-89}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(OBS! } -3^2 & = -9 \\
 (-3)^2 & = 9
 \end{aligned}$$

(OBS neg · pos = neg)

$$\begin{aligned}
 \textcircled{4} \quad & -(3^4 - 2) + 3(2 - 5^2) - 2(4 - 3^2) = \\
 & = -(81 - 2) + 3(2 - 25) - 2(4 - 9) = \\
 & = -79 + 3(-23) - 2(-5) = \\
 & = -79 - 69 + 10 = \\
 & = -148 + 10 = \underline{\underline{-138}}
 \end{aligned}$$