

Matemáticas Virtuales

¡Hacemos fácil, lo difícil!

Solución de ejercicios de operaciones combinadas de suma, resta, multiplicación, y división de números enteros.

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$$\begin{aligned}1) & (-5 + 4) \times (-2) + [4 - (-9) \div (+3)] + (-10) \div (+2) \\ & = (-5 + 4) \times (-2) + [4 - (-3)] + (-10) \div (+2) \\ & = (-1) \times (-2) + [4 + 3] + (-10) \div (+2) \\ & = 2 + [7] + (-5) \\ & = 2 + 7 - 5 \\ & = 4\end{aligned}$$

$$\begin{aligned}2) & [(-8 + 6 - 3)(-3) + 5] \div (+5) - (-12 + 4) \div (+8) \\ & = [(-5)(-3) + 5] \div (+5) - (-8) \div (+8) \\ & = [15 + 5] \div (+5) - (-1) \\ & = [20] \div (+5) + 1 \\ & = 4 + 1 \\ & = 5\end{aligned}$$

$$\begin{aligned}3) & [-12 + (-8 + 5) \cdot (-3)] \div [(-10) \div (-5) - 3] \\ & = [-12 + (-3) \cdot (-3)] \div [(-10) \div (-5) - 3] \\ & = [-12 + 9] \div [+2 - 3] \\ & = [-3] \div [-1] \\ & = 3\end{aligned}$$

$$\begin{aligned}4) & (-10 + 7 + 6) \times (-5) + [8 - (-9) \div (+3) - 6] \times (-4) \\ & = (+3) \times (-5) + [8 - (-3) - 6] \times (-4) \\ & = -15 + [8 + 3 - 6] \times (-4) \\ & = -15 + [+5] \times (-4) \\ & = -15 + (-20) \\ & = -15 - 20 \\ & = -35\end{aligned}$$

$$\begin{aligned}5) & [12 - 6(-3)] \div (+6) + (-5 + 7) \times (+4) + 9 \div (-3) \\ & = [12 + 18] \div (+6) + (+2) \times (+4) + 9 \div (-3) \\ & = [30] \div (+6) + 8 - 3 \\ & = 5 + 8 - 3 \\ & = 10\end{aligned}$$

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$$\begin{aligned}6) & [(13 - 5) \div (-8) + 9] \times (+3) - 28 \div (+4) \\ & = [(8) \div (-8) + 9] \times (+3) - 7 \\ & = [-1 + 9] \times (+3) - 7 \\ & = [+8] \times (+3) - 7 \\ & = 24 - 7 \\ & = 17\end{aligned}$$

$$\begin{aligned}7) & [9 - (-3) - (+6)(-4)] \times (-4) + 15 \div (-3) + (-6 - 3)(+2) \\ & = [9 - (-3) - (-24)] \times (-4) + 15 \div (-3) + (-9)(+2) \\ & = [9 + 3 + 24] \times (-4) + 15 \div (-3) + (-9)(+2) \\ & = [36] \times (-4) + 15 \div (-3) + (-9)(+2) \\ & = -144 - 5 - 18 \\ & = -167\end{aligned}$$

$$\begin{aligned}8) & \{4 + [3(-5) + (10 - 7) \div (-3)] \times 4 - 2\} \\ & = \{4 + [3(-5) + (-3) \div (-3)] \times 4 - 2\} \\ & = \{4 + [-15 + (-1)] \times 4 - 2\} \\ & = \{4 + [-16] \times 4 - 2\} \\ & = \{4 - 64 - 2\} \\ & = \{-62\} \\ & = -62\end{aligned}$$

$$\begin{aligned}9) & -3 + \{(-6) \times 5 - [3 + (-8 + 5) \times (-2)] + (-12) \div (+6)\} \\ & = -3 + \{(-6) \times 5 - [3 + (-3) \times (-2)] + (-12) \div (+6)\} \\ & = -3 + \{(-6) \times 5 - [3 + 6] + (-12) \div (+6)\} \\ & = -3 + \{-30 - [9] + (-2)\} \\ & = -3 + \{-30 - 9 - 2\} \\ & = -3 + \{-41\} \\ & = -3 - 41 \\ & = -44\end{aligned}$$

$$\begin{aligned}10) & (-9) \div (+3) + [19 - 10 \div (+5)] \times (-3 + 5) + 6(-8) \\ & = (-9) \div (+3) + [19 - 2] \times (+2) + 6(-8) \\ & = (-9) \div (+3) + [17] \times (+2) + 6(-8) \\ & = -3 + 14 - 48 \\ & = -37\end{aligned}$$