

OPERACIONES COMBINADAS CON NÚMEROS ENTEROS (\mathbb{Z})

PRÁCTICA

I PARTE. Desarrolle los siguientes problemas.

1) $10(4+6-3)+18-10$

2) $(4+7-2)\times 7+11-6$

3) $6(4+3^2)+15-10$

4) $3(3^2+8-3)\times 5$

5) $(7+28\div 4)+8+49\div 7$

6) $4+27\div 9(4\times 3)$

7) $2(3^2+8)+7^3$

8) $8(7+10^2)\times 3$

9) $5+8-6(9+5^2)$

10) $4(7-4+10)+3^3$



DESARROLLO

$$\begin{aligned} 1) \quad & 10(4+6-3)+18-10 \\ & 10 \times (10-3)+18-10 \\ & 10 \times (7)+18-10 \\ & 70+18-10 \\ & 88-10 \\ & 78 \end{aligned}$$

$$\begin{aligned} 2) \quad & (4+7-2) \times 7+11-6 \\ & (11-2) \times 7+11-6 \\ & (9) \times 7+11-6 \\ & 63+11-6 \\ & 74-6 \\ & 68 \end{aligned}$$

$$\begin{aligned} 3) \quad & 6(4+3^2)+15-10 \\ & 6 \times (4+9)+15-10 \\ & 6 \times (13)+15-10 \\ & 78+15-10 \\ & 93-10 \\ & 83 \end{aligned}$$

$$\begin{aligned} 4) \quad & 3(3^2+8-3) \times 5 \\ & 3 \times (9+8-3) \times 5 \\ & 3 \times (17-3) \times 5 \\ & 3 \times (14) \times 5 \\ & 42 \times 5 \\ & 210 \end{aligned}$$

$$\begin{aligned} 5) \quad & (7+28 \div 4)+8+49 \div 7 \\ & (7+7)+8+49 \div 7 \\ & (14)+8+49 \div 7 \\ & 14+8+7 \\ & 22+7 \\ & 29 \end{aligned}$$

$$\begin{aligned} 6) \quad & 4+27 \div 9(4 \times 3) \\ & 4+27 \div 9 \times (12) \\ & 4+3 \times 12 \\ & 4+36 \\ & 40 \end{aligned}$$



$$\begin{aligned} 7) \quad & 2(3^2+8)+7^3 \\ & 2\times(9+8)+7^3 \\ & 2\times(17)+7^3 \\ & 2\times 17+343 \\ & 34+343 \\ & \quad \quad \quad \mathbf{377} \end{aligned}$$

$$\begin{aligned} 8) \quad & 8(7+10^2)\times 3 \\ & 8\times(7+100)\times 3 \\ & 8\times(107)\times 3 \\ & \quad \quad \quad \mathbf{856\times 3} \\ & \quad \quad \quad \mathbf{2568} \end{aligned}$$

$$\begin{aligned} 9) \quad & 5+8-6(9+5^2) \\ & 5+8-6\times(9+25) \\ & 5+8-6\times(34) \\ & 5+8-204 \\ & 13-204 \\ & \quad \quad \quad \mathbf{-191} \end{aligned}$$

$$\begin{aligned} 10) \quad & 4(7-4+10)+3^3 \\ & 4\times(3+10)+3^3 \\ & 4\times(13)+3^3 \\ & 4\times 13+27 \\ & 52+27 \\ & \quad \quad \quad \mathbf{79} \end{aligned}$$

