

OPERACIONES COMBINADAS
NÚMEROS ENTEROS
PARA 1º ESO

ALUMNO/A: _____ Nº: _____

FECHA: _____ GRUPO: _____

1) $8 + 52 - (+12) + (-17) =$

$$\begin{aligned} &8 + 52 - 12 - 17 = \\ &60 - 29 = \boxed{31} \end{aligned}$$

Primero quita paréntesis.

2) $15 - 2 + (-23) - (+2) - (-10) =$

$$\begin{aligned} &+15 - 2 - 23 - 2 + 10 = \\ &+25 - 27 = \boxed{-2} \end{aligned}$$

3) $(-1) + (-1) + (-3 + 5) =$

$$\begin{aligned} &(-1) + (-1) + (+2) = \\ &-1 - 1 + 2 = -2 + 2 = \boxed{0} \end{aligned}$$

4) $(-1) - (-1) - (-3 + 5) =$

$$\begin{aligned} &(-1) - (-1) - (+2) = \\ &-1 + 1 - 2 = \boxed{-2} \end{aligned}$$

Cuando hay una operación dentro de un paréntesis, primero haz esa operación.

5) $7 \cdot (-5) + (15) : 5 =$

$$-35 + 3 = \boxed{-32}$$

6) $(-7) \cdot (-5) + (-15) : 3 =$

$$+35 - 5 = \boxed{+30}$$

7) $20 + 6 - (-4) \cdot (+4) + 5 - 11 =$

$$\begin{aligned} &20 + 6 + 16 + 5 - 11 = \\ &47 - 11 = \boxed{36} \end{aligned}$$

8) $(-24 : 3 + 1) : 7 + 8 =$

$$\begin{aligned} &(-8 + 1) : 7 + 8 = \\ &-7 : 7 + 8 = -1 + 8 = \boxed{7} \end{aligned}$$

9) $-5 + (+1) \cdot (-1) =$

$$-5 - 1 = \boxed{-6}$$

10) $-1 - (-3) : (-3) =$

$$-1 - (+1) = -1 - 1 = \boxed{-2}$$

11) $-2 + (-15) : (8 + 7) =$

$$\begin{aligned} &-2 + (-15) : (+15) = \\ &-2 - 1 = \boxed{-3} \end{aligned}$$

12) $-6 + (-7) \cdot (8 - 5) =$

$$\begin{aligned} &-6 + (-7) \cdot (+3) = \\ &-6 - 21 = \boxed{-27} \end{aligned}$$

13) $-2 - (-15) : (8 + 7) =$

$$\begin{aligned} &-2 - (-15) : 15 = \\ &-2 + 1 = \boxed{-1} \end{aligned}$$

14) $-6 - (-7) \cdot (8 - 5) =$

$$\begin{aligned} &-6 - (-7) \cdot 3 = -6 + 21 = \\ &\boxed{15} \end{aligned}$$

15) $-4 - (+24) : (+1 - 9) - (-1 - 2) =$

$$\begin{aligned} &-4 - (+24) : (-8) - (-3) = \\ &-4 + 3 - (-3) = \\ &-4 + 3 + 3 = -4 + 6 = \boxed{2} \end{aligned}$$

16) $+7 + (-5) : (-7 + 2) - (1 - 6) =$

$$\begin{aligned} &+7 + (-5) : (-5) - (-5) = \\ &+7 + 1 - (-5) = \\ &7 + 1 + 5 = \boxed{13} \end{aligned}$$

Primero haz las operaciones que están dentro de los corchetes según la jerarquía.

$$\begin{aligned} 17) \quad & -6 - [+7 + (-1) : 1] = \\ & -6 - [7 - 1] = -6 - (6) \\ & = -6 - 6 = \boxed{-12} \end{aligned}$$

$$\begin{aligned} 18) \quad & +7 - [+1 - (+10) : (+5)] = \\ & +7 - [1 - 2] = 7 - [-1] = \\ & 7 + 1 = \boxed{8} \end{aligned}$$

$$\begin{aligned} 19) \quad & +1 - [-4 + (-10) : (-5)] + [+3 + (-9)] = \\ & +1 - [-4 + 2] + [3 - 9] = \\ & 1 - (-2) + (-6) = 1 + 2 - 6 = \boxed{-3} \end{aligned}$$

$$\begin{aligned} 20) \quad & 9 + 66 : (-3 \cdot 2) - 5 \cdot 2 = \\ & 9 + 66 : (-6) - 5 \cdot 2 = \\ & 9 - 11 - 10 = 9 - 21 = \boxed{-12} \end{aligned}$$

$$\begin{aligned} 21) \quad & 20 \cdot (-45 + 5 \cdot 5) - 60 : 3 : (-10) = \\ & 20 \cdot (-45 + 25) - 20 : (-10) = \\ & 20 \cdot (-20) + 2 = \\ & -400 + 2 = \boxed{-398} \end{aligned}$$

$$\begin{aligned} 22) \quad & (-2) \cdot (-2) \cdot (-2) \cdot (+2) = \\ & +4 \cdot (-2) \cdot (+2) = \\ & (-8) \cdot (+2) = \boxed{-16} \end{aligned}$$

$$\begin{aligned} 23) \quad & (+45 - 5 \cdot 5) : 2 : (-10) = \\ & (45 - 25) : 2 : (-10) = \\ & 20 : 2 : (-10) = \\ & 10 : (-10) = \boxed{-1} \end{aligned}$$

$$\begin{aligned} 24) \quad & (+100) \cdot (-10) \cdot (+1) : (-1) = \\ & -1000 \cdot (+1) : (-1) = \\ & -1000 : (-1) = \boxed{+1000} \end{aligned}$$

$$\begin{aligned} 25) \quad & 1 - [3 - (-8) \cdot (+8)] + 20 : (-5) = \\ & 1 - [3 + 64] + 20 : (-5) = \\ & 1 - 67 + 20 : (-5) = \\ & 1 - 67 - 4 = 1 - 71 = \boxed{-70} \end{aligned}$$

$$\begin{aligned} 26) \quad & (-2)^3 + 1 = \\ & (-2) \cdot (-2) \cdot (-2) + 1 = \\ & (+4) \cdot (-2) + 1 = \\ & -8 + 1 = \boxed{-7} \end{aligned}$$

$$\begin{aligned} 27) \quad & 2 \cdot [+3 - (-8)] = \\ & 2 \cdot [3 + 8] = \\ & 2 \cdot 11 = \boxed{22} \end{aligned}$$

$$\begin{aligned} 28) \quad & +2 + [-3 + (-5) \cdot (+4)] = \\ & +2 + [-3 - 20] = \\ & 2 + (-23) = \\ & 2 - 23 = \boxed{-21} \end{aligned}$$