

CORRIGE – M. QUET

EXERCICE 1

Calculer en respectant les priorités :

$$A = 11 - 25 - (31 + 61) - 29$$

$$A = 11 - 25 - 92 - 29$$

$$A = 11 - 146$$

$$A = -135$$

$$B = -15 + (41 - 72 - 50) + 84$$

$$B = -15 + (41 - 122) + 84$$

$$B = -15 + (-81) + 84$$

$$B = -15 - 81 + 84$$

$$B = -96 + 84$$

$$B = -12$$

$$C = (7,2 - 1,5) + 6,3 - (7,9 - 4,6)$$

$$C = 5,7 + 6,3 - 3,3$$

$$C = 13 - 3,3$$

$$C = 9,7$$

$$D = (-9,2 - 5,4) + 7,1 - (6,3 - 4,7)$$

$$D = -14,6 + 7,1 - 1,6$$

$$D = -7,5 - 1,6$$

$$D = -9,1$$

EXERCICE 2

Calculer en respectant les priorités :

$$E = (7 - 5) + (2 - 3) - (-7 + 5 - 3)$$

$$E = 2 + (-1) - (-5)$$

$$E = 2 - 1 + 5$$

$$E = 6$$

$$F = -10 - (5 - 3 + 2) + (-13 + 12)$$

$$F = -10 - 4 + (-1)$$

$$F = -14 - 1$$

$$F = -15$$

$$G = 12 - (-8 + 4 - 7) - (9 + 3 - 4)$$

$$G = 12 - (-4 - 7) - (12 - 4)$$

$$G = 12 - (-11) - 8$$

$$G = 12 + 11 - 8$$

$$G = 15$$

$$H = 5 - [(12 + 5 - 11) - (7 + 1)]$$

$$H = 5 - [6 - 8]$$

$$H = 5 - (-2)$$

$$H = 5 + 2$$

$$H = 7$$

EXERCICE 3

Calculer en respectant les priorités :

$$I = -1 + 2 - 3 + 4 - 5 + 6 - 7 + 8$$

$$I = +2 + 4 + 6 + 8 - 1 - 3 - 5 - 7$$

$$I = 20 - 16$$

$$I = 4$$

$$J = -(1 + 2) - (3 + 4) - (5 + 6) - (7 + 8)$$

$$J = -3 - 7 - 11 - 15$$

$$J = -10 - 11 - 15$$

$$J = -21 - 15$$

$$J = -36$$

$$K = -1 + (2 - 3 + 4) - (5 + 6 - 7) + 8$$

$$K = -1 + 3 - 4 + 8$$

$$K = +3 + 8 - 1 - 4$$

$$K = 11 - 5$$

$$K = 6$$

$$L = [(-1 + 2) - (3 + 4)] - [(5 + 6) - (7 + 8)]$$

$$L = [1 - 7] - [11 - 15]$$

$$L = -6 - (-4)$$

$$L = -6 + 4$$

$$L = -2$$

EXERCICE 4

Compléter le tableau :

a	8	12	-9	-10
b	7	-7	6	-3
a + b	8 + 7 = 15	12 + (-7) = 5	-9 + 6 = -3	-10 + (-3) = -13
a - b	8 - 7 = 1	12 - (-7) = 12 + 7 = 19	-9 - 6 = -15	-10 - (-3) = -10 + 3 = -7

EXERCICE 5

On considère l'expression : $A = x - (y + z)$

Calculer A pour les différentes valeurs de x, y et z.

$x=3 ; y=4 ; z=5$ $A = x - (y + z)$ $A = 3 - (4 + 5)$ $A = 3 - 9$ $A = -6$	$x=-1 ; y=3 ; z=-2$ $A = x - (y + z)$ $A = -1 - (3 + (-2))$ $A = -1 - (3 - 2)$ $A = -1 - 1$ $A = -2$
$x=-7 ; y=-5 ; z=4$ $A = x - (y + z)$ $A = -7 - (-5 + 4)$ $A = -7 - (-1)$ $A = -7 + 1$ $A = -6$	$x=-4 ; y=-1 ; z=-8$ $A = x - (y + z)$ $A = -4 - (-1 + (-8))$ $A = -4 - (-1 - 8)$ $A = -4 - (-9)$ $A = -4 + 9$ $A = 5$