

Additionner des nombres relatifs – CORRECTIONS

Niveau 2

Exercice 1 :

$$A = (-8) + (-19) = -(8 + 19) = -27$$

$$B = -28 + (-17) = -(28 + 17) = -45$$

$$C = 36 + (-42) = -(42 - 36) = -6$$

$$D = -24 + 36 = +(36 - 24) = +12 = 12$$

Exercice 2 :

Il faut faire les calculs en additionnant seulement 2 nombres à la fois.

On commence par les nombres de gauche.

$A = (-4) + (-5) + (-3)$ $A = -(5 + 4) + (-3)$ $A = (-9) + (-3)$ $A = -(9 + 3)$ $A = -12$	$B = (+12) + (-18) + (-9)$ $B = -(18 - 12) + (-9)$ $B = (-6) + (-9)$ $B = -(6 + 9)$ $B = -15$
$C = (-25) + (+36) + (+4)$ $C = +(36 - 25) + (+4)$ $C = 11 + (+4)$ $C = 15$	$D = -55 + 12 + 18$ $D = -(55 - 12) + 18$ $D = (-43) + 18$ $D = -(43 - 18)$ $D = -25$
$E = -24 + 45 + (-29)$ $E = +(45 - 24) + (-29)$ $E = 21 + (-29)$ $E = -(29 - 21)$ $E = -8$	

Exercice 3 :

$A = (-4) + (-5) + 14 + (-3)$ $A = -(4 + 5) + 14 + (-3)$ $A = -9 + 14 + (-3)$ $A = +(14 - 9) + (-3)$ $A = 5 + (-3)$ $A = 5 - 3$ $A = 2$	$B = -15 + (-16) + 48 + (-7)$ $B = -(15 + 16) + 48 + (-7)$ $B = -31 + 48 + (-7)$ $B = +(48 - 31) + (-7)$ $B = +17 + (-7)$ $B = 17 - 7$ $B = 10$
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$$C = (-36) + 12 + (-50) + 9$$

$$C = -(36 - 12) + (-50) + 9$$

$$C = -24 + (-50) + 9$$

$$C = -(24 + 50) + 9$$

$$C = -74 + 9$$

$$C = -(74 - 9)$$

$$C = -65$$

Exercice 4 :

Complète la pyramide en sachant que chaque case en dessous.

$$(-10) + (-14) = -(10 + 14) = -24$$

$$(-14) + (+13) = -(14 - 13) = -1$$

$$(13) + (-8) = +(13 - 8) = +5$$

$$(-8) + 15 = +(15 - 8) = +7$$

$$(-24) + (-1) = -(24 + 1) = -25$$

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

$$(+5) + (+7) = 5 + 7 = 12$$

$$(-25) + (+4) = -(25 - 4) = -21$$

$$(+4) + 12 = 4 + 12 = 16$$

$$(-21) + 16 = -(21 - 16) = -5$$

