

C3F2- Opérations avec les nombres relatifs

Exercice 1 : Sur cette feuille, calcule les expressions suivantes :

$-4 + (-5) =$	$-3 \times (-5) =$	$-7 - (-8) =$
$5 \times (-6) =$	$-23 + 7 =$	$6 \div (-3) =$
$2,31 - (-1) =$	$0 \times (-17) =$	$-1 - (-1) =$
$-1 \times (-1) =$	$-6 - 8 =$	$-7 \times (-9) =$
$5 + (-6) =$	$1,24 \times (-1) =$	$-8 \div (-16) =$

Exercice 2 : Sur cette feuille, Calculez les expressions en écrivant les étapes intermédiaires :

$A = 7 + 4 \times (-8)$ $A = \dots\dots\dots$ $A = \dots\dots\dots$	$B = -4 \times 12 - 7 \times 9$ $B = \dots\dots\dots$ $B = \dots\dots\dots$	$C = -37 - 6 \times (-5)$ $C = \dots\dots\dots$ $C = \dots\dots\dots$
$D = -12 - 9 : (-3)$ $D = \dots\dots\dots$ $D = \dots\dots\dots$	$E = -2 \times 5 + (-3) \times (-2)$ $E = \dots\dots\dots$ $E = \dots\dots\dots$	$F = -6 \times 3 - (-5) \times (-5)$ $F = \dots\dots\dots$ $F = \dots\dots\dots$
$G = -9 - (-8) + (-3) \times (-5)$ $G = \dots\dots\dots$ $G = \dots\dots\dots$	$H = 2 \times 3 - (-4) + (-7) \times (-5)$ $H = \dots\dots\dots$ $H = \dots\dots\dots$	$I = -7 - (-5) \times (-2) + (-3) \times 4$ $I = \dots\dots\dots$ $I = \dots\dots\dots$
$L = -9 \times 4 + 2 - 5 \times 2$ $= \dots\dots\dots$ $= \dots\dots\dots$ $= \dots\dots\dots$	$M = 23 - 4 \times 5 - 12$ $= \dots\dots\dots$ $= \dots\dots\dots$ $= \dots\dots\dots$	$J = (6 - 36) \div 15 - 3 \times 2$ $= \dots\dots\dots$ $= \dots\dots\dots$ $= \dots\dots\dots$
$I = 15 - [2 - (1 - 7)]$ $= \dots\dots\dots$	$N = 17 - 18 \div [5 \times (-3 + 5)]$ $= \dots\dots\dots$	$K = 32 \div 4 - 2 - 7 \times 3$ $K = \dots\dots\dots$

CORRECTION C3F2

Exercice 1 : Sur cette feuille, calcule les expressions suivantes :

$-4 + (-5) = -9$	$-3 \times (-5) = 15$	$-7 - (-8) = -7 + 8 = 1$
$5 \times (-6) = -30$	$-23 + 7 = -16$	$6 \div (-3) = -2$
$2,31 - (-1) = 2,31 + 1 = 3,31$	$0 \times (-17) = 0$	$-1 - (-1) = -1 + 1 = 0$
$-1 \times (-1) = 1$	$-6 - 8 = -14$	$-7 \times (-9) = 63$
$5 + (-6) = -1$	$1,24 \times (-1) = -1,24$	$-8 \div (-16) = 0,5$

Exercice 2 : Sur cette feuille, Calculez les expressions en écrivant les étapes intermédiaires :

$A = 7 + 4 \times (-8)$ $A = 7 + (-32)$ $A = -25$	$B = -4 \times 12 - 7 \times 9$ $B = -48 - 63$ $B = -111$	$C = -37 - 6 \times (-5)$ $C = -37 + 30$ $C = -7$
---	---	---

$D = -12 - 9 : (-3)$ $D = -12 + 3$ $D = -9$	$E = -2 \times 5 + (-3) \times (-2)$ $E = -10 + 6$ $E = -4$	$F = -6 \times 3 - (-5) \times (-5)$ $F = -18 - 25$ $F = -43$
$G = -9 - (-8) + (-3) \times (-5)$ $G = -9 + 8 + 15$ $G = -9 + 23 = 14$	$H = 2 \times 3 - (-4) + (-7) \times (-5)$ $H = 6 + 4 + 35$ $H = 45$ $H =$	$I = -7 - (-5) \times (-2) + (-3) \times 4$ $I = -7 - 10 + (-12)$ $I = -29$
$L = -9 \times 4 + 2 - 5 \times 2$ $= -36 + 2 - 10$ $= -46 + 2$ $= -44$	$M = 23 - 4 \times 5 - 12$ $= 23 - 20 - 12$ $= 23 - 32$ $= -9$	$J = (6 - 36) \div 15 - 3 \times 2$ $= -30 \div 15 - 3 \times 2$ $= -2 - 6$ $= -8$
$I = 15 - [2 - (1 - 7)]$ $= 15 - [2 - (-6)]$ $= 15 - [2 + 6]$ $= 15 - 8 = 7$	$N = 17 - 18 \div [5 \times (-3 + 5)]$ $= 17 - 18 \div [5 \times 2]$ $= 17 - 18 \div 10$ $= 17 - 1,8 = 15,2$	$K = 32 \div 4 - 2 - 7 \times 3$ $K = 8 - 2 - 21$ $K = 8 - 23$ $K = -15$