Rituels de calculs

PRIORITÉS ET PUISSANCES

EX 1 Calculer :

$A = (-1)^2 + 4 + 4 \times 7$
$B = (5 + 7 + (-1)^2) \times 6$
$C = 5 \times ((-1)^2 + 1 \times (-1))$
$D = (-3)^2 + (-4) \times 4$
$E = (-1)^2 \times (-5 - 5 - 6)$

PRIORITÉS ET PUISSANCES

EX 1 Calculer :

$A = (-2)^2 \times (-6 + 2 - 1)$
$B = (-6)^2 + 4 - 1 \times (-5)$
$C = 2 \times ((-3)^2 + 2 \times (-3))$
$D = (-1)^2 \times (-6 - 5)$
$E = (-6)^2 + 2 \times 4$

PRIORITÉS ET PUISSANCES

EX 1 Calculer :

$A = 1 + 3^2 \times (-2)$

$B = -5 \times ((-1)^2 + 2 \times (-1))$

$C = (-7 + 7 + (-1)^2) \times 4$

$D = 6^2 - 5 + 2 \times 5$

$E = (-1)^2 \times (1 + 3 - 4)$

PRIORITÉS ET PUISSANCES

EX 1 Calculer :

$A = -6 + 1^2 \times 3$
$B = (-2)^2 \times (7 + 7 + 4)$
$C = 7^2 - 7 - 5 \times (-2)$
$D = -3 \times ((-1)^2 + 2 \times (-1))$
$E = 4^2 + (-1) \times 4$

PRIORITÉS ET PUISSANCES

EX 1 Calculer :

$A = (-4)^2 + 2 - 6 \times (-1)$
$B = 5 + 1^2 \times 6$
$C = (-2)^2 + (-3) \times 5$
$D = 1 \times ((-1)^2 + 2 \times (-1))$
$E = (-3)^2 \times (4 - 3 + 5)$

PRIORITÉS ET PUISSANCES

Corrections

EX 1

$A = (-1)^2 + 4 + 4 \times 7$
$\quad = 1 + 4 + \mathbf{4 \times 7}$
$\quad = 1 + 4 + 28$
$\mathbf{A = 33}$

$B = (5 + 7 + (-1)^2) \times 6$
$\quad = (\mathbf{5 + 7 + 1}) \times 6$
$\quad = 13 \times 6$
$\mathbf{B = 78}$

$C = 5 \times ((-1)^2 + 1 \times (-1))$
$\quad = 5 \times (1 + \mathbf{1 \times (-1)})$
$\quad = 5 \times (\mathbf{1 - 1})$
$\quad = 5 \times 0$
$\mathbf{C = 0}$

$D = (-3)^2 + (-4) \times 4$
$\quad = 9 + (\mathbf{-4}) \times \mathbf{4}$
$\quad = 9 - 16$
$\mathbf{D = -7}$

$E = (-1)^2 \times (-5 - 5 - 6)$
$\quad = 1 \times (\mathbf{-5 - 5 - 6})$
$\quad = 1 \times (-16)$
$\mathbf{E = -16}$

Corrections

EX 1

$A = (\mathbf{-2})^{\mathbf{2}} \times (-6 + 2 - 1)$
$= 4 \times (\mathbf{-6 + 2 - 1})$
$= 4 \times (-5)$
$\mathbf{A = -20}$

$B = (\mathbf{-6})^{\mathbf{2}} + 4 - 1 \times (-5)$
$= 36 + 4 + (\mathbf{-1}) \times (\mathbf{-5})$
$= 36 + 4 + 5$
$\mathbf{B = 45}$

$C = 2 \times ((\mathbf{-3})^{\mathbf{2}} + 2 \times (-3))$
$= 2 \times (9 + \mathbf{2 \times (-3)})$
$= 2 \times (\mathbf{9 - 6})$
$= 2 \times 3$
$\mathbf{C = 6}$

$D = (\mathbf{-1})^{\mathbf{2}} \times (-6 - 5)$
$= 1 \times (\mathbf{-6 - 5})$
$= 1 \times (-11)$
$\mathbf{D = -11}$

$E = (\mathbf{-6})^{\mathbf{2}} + 2 \times 4$
$= 36 + \mathbf{2 \times 4}$
$= 36 + 8$
$\mathbf{E = 44}$

Corrections

EX 1

$A = 1 + \mathbf{3^2} \times (-2)$
$\quad = 1 + \mathbf{9 \times (-2)}$
$\quad = 1 - 18$
$\mathbf{A = -17}$

$B = -5 \times ((\mathbf{-1})^{\mathbf{2}} + 2 \times (-1))$
$\quad = -5 \times (1 + \mathbf{2 \times (-1)})$
$\quad = -5 \times (\mathbf{1 - 2})$
$\quad = -5 \times (-1)$
$\mathbf{B = 5}$

$C = (-7 + 7 + (\mathbf{-1})^{\mathbf{2}}) \times 4$
$\quad = (\mathbf{-7 + 7 + 1}) \times 4$
$\quad = 1 \times 4$
$\mathbf{C = 4}$

$D = \mathbf{6^2} - 5 + 2 \times 5$
$\quad = 36 - 5 + \mathbf{2 \times 5}$
$\quad = 36 - 5 + 10$
$\mathbf{D = 41}$

$E = (\mathbf{-1})^{\mathbf{2}} \times (1 + 3 - 4)$
$\quad = 1 \times (\mathbf{1 + 3 - 4})$
$\quad = 1 \times 0$
$\mathbf{E = 0}$

Rituels de calculs

PRIORITÉS ET PUISSANCES

MathALEA

Corrections

EX 1

$A = -6 + \mathbf{1^2} \times 3$
$\quad = -6 + \mathbf{1 \times 3}$
$\quad = -6 + 3$
$\mathbf{A = -3}$

$B = \mathbf{(-2)^2} \times (7 + 7 + 4)$
$\quad = 4 \times (\mathbf{7 + 7 + 4})$
$\quad = 4 \times 18$
$\mathbf{B = 72}$

$C = \mathbf{7^2} - 7 - 5 \times (-2)$
$\quad = 49 - 7 + \mathbf{(-5) \times (-2)}$
$\quad = 49 - 7 + 10$
$\mathbf{C = 52}$

$D = -3 \times (\mathbf{(-1)^2} + 2 \times (-1))$
$\quad = -3 \times (1 + \mathbf{2 \times (-1)})$
$\quad = -3 \times (\mathbf{1 - 2})$
$\quad = -3 \times (-1)$
$\mathbf{D = 3}$

$E = \mathbf{4^2} + (-1) \times 4$
$\quad = 16 + \mathbf{(-1) \times 4}$
$\quad = 16 - 4$
$\mathbf{E = 12}$

PRIORITÉS ET PUISSANCES

Corrections

EX 1

$A = (-4)^2 + 2 - 6 \times (-1)$
$= 16 + 2 + (-6) \times (-1)$
$= 16 + 2 + 6$
$\mathbf{A = 24}$

$B = 5 + 1^2 \times 6$
$= 5 + 1 \times 6$
$= 5 + 6$
$\mathbf{B = 11}$

$C = (-2)^2 + (-3) \times 5$
$= 4 + (-3) \times 5$
$= 4 - 15$
$\mathbf{C = -11}$

$D = 1 \times ((-1)^2 + 2 \times (-1))$
$= 1 \times (1 + 2 \times (-1))$
$= 1 \times (1 - 2)$
$= 1 \times (-1)$
$\mathbf{D = -1}$

$E = (-3)^2 \times (4 - 3 + 5)$
$= 9 \times (4 - 3 + 5)$
$= 9 \times 6$
$\mathbf{E = 54}$