

# Calcul mental

Calcul littéral :  
Développer

Entraînement 1



$-4(x + 3)$	







	$-9x(2 - 3x)$

*Prenez votre stylo vert*







$$3 \times (x + 2) = 3x + 6$$

$$-4(x + 3)$$



$$3 \times (x + 2) = 3x + 6$$

$$-4(x + 3) = -4x - 12$$

$$-7(x - 6)$$

$$3 \times (x + 2) = 3x + 6$$

$$-4(x + 3) = -4x - 12$$

$$-7(x - 6) = -7x + 42$$

$$3 \times (x + 2) = 3x + 6$$

$$5x \times (2 - x)$$

$$-4(x + 3) = -4x - 12$$

$$-7(x - 6) = -7x + 42$$

$$3 \times (x + 2) = 3x + 6$$

$$5x \times (2 - x) = 10x - 5x^2$$

$$-4(x + 3) = -4x - 12$$

$$-7(x - 6) = -7x + 42$$



$$3 \times (x + 2) = 3x + 6$$

$$5x \times (2 - x) = 10x - 5x^2$$

$$-4(x + 3) = -4x - 12$$

$$3x(5x - 8)$$

$$-7(x - 6) = -7x + 42$$

$$3 \times (x + 2) = 3x + 6$$

$$5x \times (2 - x) = 10x - 5x^2$$

$$-4(x + 3) = -4x - 12$$

$$3x(5x - 8) = 15x^2 - 24x$$

$$-7(x - 6) = -7x + 42$$

$$3 \times (x + 2) = 3x + 6$$

$$5x \times (2 - x) = 10x - 5x^2$$

$$-4(x + 3) = -4x - 12$$

$$3x(5x - 8) = 15x^2 - 24x$$

$$-7(x - 6) = -7x + 42$$

$$-9x(2 - 3x)$$

$$3 \times (x + 2) = 3x + 6$$

$$5x \times (2 - x) = 10x - 5x^2$$

$$-4(x + 3) = -4x - 12$$

$$3x(5x - 8) = 15x^2 - 24x$$

$$-7(x - 6) = -7x + 42$$

$$\begin{aligned} & -9x(2 - 3x) \\ & = -18x + 27x^2 \end{aligned}$$







$-8 \times (x - 2)$	





	$7x(5x - 3)$



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$5 \times (x + 7) = 5x + 35$	



$$5 \times (x + 7) = 5x + 35$$

$$-6 \times (x + 2) = -6x - 12$$



$$5 \times (x + 7) = 5x + 35$$

$$-6 \times (x + 2) = -6x - 12$$

$$-8 \times (x - 2)$$

$$5 \times (x + 7) = 5x + 35$$

$$-6 \times (x + 2) = -6x - 12$$

$$-8 \times (x - 2) = -8x + 16$$

$$5 \times (x + 7) = 5x + 35$$

$$8x \times (4 - x)$$

$$-6 \times (x + 2) = -6x - 12$$

$$-8 \times (x - 2) = -8x + 16$$

$$5 \times (x + 7) = 5x + 35$$

$$8x \times (4 - x) = 32x - 8x^2$$

$$-6 \times (x + 2) = -6x - 12$$

$$-8 \times (x - 2) = -8x + 16$$

$$5 \times (x + 7) = 5x + 35$$

$$8x \times (4 - x) = 32x - 8x^2$$

$$-6 \times (x + 2) = -6x - 12$$

$$7x(5x - 3)$$

$$-8 \times (x - 2) = -8x + 16$$

$$5 \times (x + 7) = 5x + 35$$

$$8x \times (4 - x) = 32x - 8x^2$$

$$-6 \times (x + 2) = -6x - 12$$

$$7x(5x - 3) = 35x^2 - 21x$$

$$-8 \times (x - 2) = -8x + 16$$

$$5 \times (x + 7) = 5x + 35$$

$$8x \times (4 - x) = 32x - 8x^2$$

$$-6 \times (x + 2) = -6x - 12$$

$$7x(5x - 3) = 35x^2 - 21x$$

$$-8 \times (x - 2) = -8x + 16$$

$$-7x(2 - 3x)$$

$$5 \times (x + 7) = 5x + 35$$

$$8x \times (4 - x) = 32x - 8x^2$$

$$-6 \times (x + 2) = -6x - 12$$

$$7x(5x - 3) = 35x^2 - 21x$$

$$-8 \times (x - 2) = -8x + 16$$

$$\begin{aligned} & -7x(2 - 3x) \\ & = -14x + 21x^2 \end{aligned}$$



# Calcul mental

Calcul littéral :  
Développer

Entraînement 3

$9 \times (x + 7)$	











*Prenez votre stylo vert*











$$9 \times (x + 7) = 9x + 63$$

$$-8 \times (x + 7) = -8x - 56$$

$$-5 \times (x - 5)$$



$$9 \times (x + 7) = 9x + 63$$

$$6x \times (5 - x)$$

$$-8 \times (x + 7) = -8x - 56$$

$$-5 \times (x - 5) = -5x + 25$$

$$9 \times (x + 7) = 9x + 63$$

$$6x \times (5 - x) = 30x - 6x^2$$

$$-8 \times (x + 7) = -8x - 56$$

$$-5 \times (x - 5) = -5x + 25$$



$$9 \times (x + 7) = 9x + 63$$

$$6x \times (5 - x) = 30x - 6x^2$$

$$-8 \times (x + 7) = -8x - 56$$

$$2x(3x - 5)$$

$$-5 \times (x - 5) = -5x + 25$$

$$9 \times (x + 7) = 9x + 63$$

$$6x \times (5 - x) = 30x - 6x^2$$

$$-8 \times (x + 7) = -8x - 56$$

$$2x(3x - 5) = 6x^2 - 10x$$

$$-5 \times (x - 5) = -5x + 25$$

$$9 \times (x + 7) = 9x + 63$$

$$6x \times (5 - x) = 30x - 6x^2$$

$$-8 \times (x + 7) = -8x - 56$$

$$2x(3x - 5) = 6x^2 - 10x$$

$$-5 \times (x - 5) = -5x + 25$$

$$-7x(7 - x)$$

$$9 \times (x + 7) = 9x + 63$$

$$6x \times (5 - x) = 30x - 6x^2$$

$$-8 \times (x + 7) = -8x - 56$$

$$2x(3x - 5) = 6x^2 - 10x$$

$$-5 \times (x - 5) = -5x + 25$$

$$-7x(7 - x) = -49x + 7x^2$$











	$6x \times (6 - x)$

	$6x(7x - 9)$

	$-3x(2 - 3x)$

*Prenez votre stylo vert*

$4 \times (x + 4)$	

$4 \times (x + 4) = 4x + 16$	

$$4 \times (x + 4) = 4x + 16$$

$$-5 \times (x + 3)$$

$$4 \times (x + 4) = 4x + 16$$

$$-5 \times (x + 3) = -5x - 15$$



$$4 \times (x + 4) = 4x + 16$$

$$-5 \times (x + 3) = -5x - 15$$

$$-9 \times (x - 7)$$

$$4 \times (x + 4) = 4x + 16$$

$$-5 \times (x + 3) = -5x - 15$$

$$-9 \times (x - 7) = -9x + 63$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x)$$

$$-5 \times (x + 3) = -5x - 15$$

$$-9 \times (x - 7) = -9x + 63$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x) = 36x - 6x^2$$

$$-5 \times (x + 3) = -5x - 15$$

$$-9 \times (x - 7) = -9x + 63$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x) = 36x - 6x^2$$

$$-5 \times (x + 3) = -5x - 15$$

$$6x(7x - 9)$$

$$-9 \times (x - 7) = -9x + 63$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x) = 36x - 6x^2$$

$$-5 \times (x + 3) = -5x - 15$$

$$6x(7x - 9) = 42x^2 - 54x$$

$$-9 \times (x - 7) = -9x + 63$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x) = 36x - 6x^2$$

$$-5 \times (x + 3) = -5x - 15$$

$$6x(7x - 9) = 42x^2 - 54x$$

$$-9 \times (x - 7) = -9x + 63$$

$$-3x(2 - 3x)$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x) = 36x - 6x^2$$

$$-5 \times (x + 3) = -5x - 15$$

$$6x(7x - 9) = 42x^2 - 54x$$

$$-9 \times (x - 7) = -9x + 63$$

$$-3x(2 - 3x) = -6x + 9x^2$$



# Calcul mental

Calcul littéral :  
Développer

Test

$4 \times (x + 4)$	

$9 \times (x + 7)$	

$-8 \times (x + 7)$	

$-4(x + 3)$	

$-8 \times (x - 2)$	

	$6x \times (6 - x)$

	$6x \times (5 - x)$



	$2x(3x - 5)$

	$3x(5x - 8)$

	$-7x(2 - 3x)$

*Posez votre stylo et faites passer les feuilles devant*



$$4 \times (x + 4) = 4x + 16$$

$4 \times (x + 4) = 4x + 16$	

$$4 \times (x + 4) = 4x + 16$$

$$9 \times (x + 7)$$

$$4 \times (x + 4) = 4x + 16$$

$$9 \times (x + 7) = 9x + 63$$



$$4 \times (x + 4) = 4x + 16$$

$$9 \times (x + 7) = 9x + 63$$

$$-8 \times (x + 7)$$

$$4 \times (x + 4) = 4x + 16$$

$$9 \times (x + 7) = 9x + 63$$

$$-8 \times (x + 7) = -8x - 56$$



$$4 \times (x + 4) = 4x + 16$$

$$9 \times (x + 7) = 9x + 63$$

$$-8 \times (x + 7) = -8x - 56$$

$$-4(x + 3) = -4x - 12$$

$$4 \times (x + 4) = 4x + 16$$

$$9 \times (x + 7) = 9x + 63$$

$$-8 \times (x + 7) = -8x - 56$$

$$-4(x + 3) = -4x - 12$$

$$-8 \times (x - 2)$$

$$4 \times (x + 4) = 4x + 16$$

$$9 \times (x + 7) = 9x + 63$$

$$-8 \times (x + 7) = -8x - 56$$

$$-4(x + 3) = -4x - 12$$

$$-8 \times (x - 2) = -8x + 16$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x)$$

$$9 \times (x + 7) = 9x + 63$$

$$-8 \times (x + 7) = -8x - 56$$

$$-4(x + 3) = -4x - 12$$

$$-8 \times (x - 2) = -8x + 16$$

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$$9 \times (x + 7) = 9x + 63$$

$$6x \times (5 - x) = 30x - 6x^2$$

$$-8 \times (x + 7) = -8x - 56$$

$$-4(x + 3) = -4x - 12$$

$$-8 \times (x - 2) = -8x + 16$$

$$4 \times (x + 4) = 4x + 16$$

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$$-8 \times (x + 7) = -8x - 56$$

$$2x(3x - 5)$$

$$-4(x + 3) = -4x - 12$$

$$-8 \times (x - 2) = -8x + 16$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x) = 36x - 6x^2$$

$$9 \times (x + 7) = 9x + 63$$

$$6x \times (5 - x) = 30x - 6x^2$$

$$-8 \times (x + 7) = -8x - 56$$

$$2x(3x - 5) = 6x^2 - 10x$$

$$-4(x + 3) = -4x - 12$$

$$-8 \times (x - 2) = -8x + 16$$

$$4 \times (x + 4) = 4x + 16$$

$$6x \times (6 - x) = 36x - 6x^2$$

$$9 \times (x + 7) = 9x + 63$$

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$$3x(5x - 8) = 15x^2 - 24x$$

$$-8 \times (x - 2) = -8x + 16$$

$$\begin{aligned} & -7x(2 - 3x) \\ & = -14x + 21x^2 \end{aligned}$$



$4 \times (x + 4)$	$6x \times (6 - x)$
$9 \times (x + 7)$	$6x \times (5 - x)$
$-8 \times (x + 7)$	$2x(3x - 5)$
$-4(x + 3)$	$3x(5x - 8)$
$-8 \times (x - 2)$	$-7x(2 - 3x)$