

Entraînement 1 Simplifie les expressions suivantes en supprimant le signe \times si possible :

$8 \times a = \dots\dots\dots$	$6 \times b = \dots\dots\dots$	$17 \times c = \dots\dots\dots$
$a \times 4 = \dots\dots\dots \times a = \dots\dots\dots$	$b \times 7 = \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$	$c \times 12 = \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$
$a \times 3 \times 7 = 3 \times \dots\dots\dots \times a = \dots\dots\dots$	$5 \times a \times 7 = \dots\dots\dots \times \dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$	
$a \times 3 =$	$b \times 7 \times 2 =$	$6 \times c \times 3 =$

Simplification d'expressions

$$2 \times a = 2a$$

$$a \times 3 = 3 \times a = 3a$$

$$4 \times a \times 7 = 28a$$

Entraînement 2 Simplifie les expressions suivantes en supprimant le signe \times si possible :

$a \times b =$	$b \times c =$	$m \times n =$
$3 \times (m + 2) =$	$(a + 6) \times 3 =$	$a \times (b + 3) =$
$a \times b \times 3 =$	$a \times 6 \times k =$	$3 \times 2 \times b \times 10 =$
$2 \times a \times 3 \times b =$	$2 \times a \times b \times 5 =$	$a \times 7 \times 3 \times c \times 5 =$

$$a \times b = ab$$

$$b \times a = a \times b = ab$$

Entraînement 3 Simplifie les expressions suivantes en supprimant le signe \times si possible :

$2 \times a + 3 \times b = 2a + 3b$	$9 \times a + 7 \times b =$	$a \times 7 + 3 \times b =$
$a \times 5 + b \times 6 =$	$9 \times m - 8 \times n =$	$a \times 7 - b \times 9 =$
$9 \times a + 7 \times 2 =$	$a \times 9 + 2 \times 7 =$	$7 \times 2 + 9 \times a =$

Entraînement 4 Complète les pointillés en utilisant la règle : $k \times (a + b) = k \times a + k \times b$

$3 \times (a + 2) = 3 \times a + 3 \times 2$ = +	$5 \times (a + 8) = 5 \times \dots\dots\dots + 5 \times \dots\dots\dots$ = +	$6 \times (3 + a) = 6 \times \dots\dots\dots + 6 \times \dots\dots\dots$ = +
$7 \times (a + 10) = \dots\dots \times \dots\dots + \dots\dots \times \dots\dots$ = +	$8 \times (2 + a) = \dots\dots \times \dots\dots + \dots\dots \times \dots\dots$ = +	$4 \times (a + b) = \dots\dots \times \dots\dots + \dots\dots \times \dots\dots$ = +
$9 \times (a - 1) = \dots\dots \times \dots\dots - \dots\dots \times \dots\dots$ = -	$5 \times (2 - a) = \dots\dots \times \dots\dots - \dots\dots \times \dots\dots$ = -	$3 \times (a - b) = \dots\dots \times \dots\dots + \dots\dots \times \dots\dots$ = -

Entraînement 5 Complète les pointillés en utilisant la règle : $k \times (a + b) = k \times a + k \times b$

$3 \times (2a + 5) = 3 \times 2a + 3 \times 5$ = +	$5 \times (3a + 1) = 5 \times \dots\dots\dots + 5 \times \dots\dots\dots$ = +	$6 \times (3 + 2a) = 6 \times \dots\dots\dots + 6 \times \dots\dots\dots$ = +
$7 \times (2a + 7) = \dots\dots \times \dots\dots + \dots\dots \times \dots\dots$ = +	$8 \times (2 + 3a) = \dots\dots \times \dots\dots + \dots\dots \times \dots\dots$ = +	$4 \times (2a + 3b) = \dots\dots \times \dots\dots + \dots\dots \times \dots\dots$ = +
$9 \times (2a - 1) = \dots\dots \times \dots\dots - \dots\dots \times \dots\dots$ = -	$5 \times (2 - 3a) = \dots\dots \times \dots\dots - \dots\dots \times \dots\dots$ = -	$3 \times (6a - 5b) = \dots\dots \times \dots\dots + \dots\dots \times \dots\dots$ = -

