

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

$7 \times a =$	$6 \times a = \dots\dots\dots$	$12 \times a = \dots\dots\dots$	$1 \times a = \dots\dots\dots$
$a \times 4 =$	$a \times 7 =$	$a \times 13 =$	$a \times 2,75 =$
$3 \times a \times 7 =$	$a \times 2 \times 7 =$	$5 \times 10 \times a =$	$5 \times 3,2 \times a =$

Entraînement 2 Développe et réduis les expressions suivantes :

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

Entraînement 3 Complète

$8 \times (\dots\dots + \dots\dots) = 8 \times a + 8 \times 7$ = $8a + 56$	$9 \times (\dots\dots + \dots\dots) = 9 \times 5 + 9 \times a$ =	$\dots\dots \times (a + \dots\dots) = 5 \times a + 5 \times 7$ =
$7 \times (\dots\dots + \dots\dots) = 7 \times a + 5 \times 7$ =	$\dots\dots \times (\dots\dots + \dots\dots) = 12 \times a + 12 \times 8$ =	$\dots\dots \times (\dots\dots + \dots\dots) = 11 \times 3 + 11 \times a$ =
$a \times (\dots\dots + \dots\dots) = a \times 3 + a \times 7$ =	$a \times (\dots\dots + \dots\dots) = a \times 12 + a \times 5$ =	$\dots\dots \times (\dots\dots + \dots\dots) = a \times 10 + a \times 7$ =

Entraînement 4 Complète

$8a + 16 = 8 \times a + 8 \times 2$ = $8 \times (\dots\dots + \dots\dots)$ = $8(a + \dots\dots)$ vérification : $8(a + 2) = 8a + 16$	$5a + 15 = 5 \times a + 5 \times \dots\dots\dots$ = $5 \times (\dots\dots + 3)$ = $5(\dots\dots + \dots\dots)$ vérif : $5(\dots\dots + \dots\dots) = 5a + 15$	$3a + 12 = \dots\dots \times a + \dots\dots \times 4$ = $\dots\dots \times (\dots\dots + \dots\dots)$ = $\dots\dots(\dots\dots + \dots\dots)$ vérif : $3(\dots\dots + \dots\dots) = 3a + 12$
$7a - 70 = 7 \times \dots\dots - 7 \times \dots\dots\dots$ = $\dots\dots \times (\dots\dots - \dots\dots)$ = $\dots\dots(a - \dots\dots)$ vérif =	$6a - 54 = 6 \times \dots\dots - 6 \times \dots\dots\dots$ = $\dots\dots \times (\dots\dots - \dots\dots)$ = $\dots\dots(\dots\dots - \dots\dots)$ vérif :	$8a - 32 = \dots\dots \times a - \dots\dots \times 4$ = $\dots\dots \times (\dots\dots - \dots\dots)$ = $\dots\dots(\dots\dots - \dots\dots)$ vérif :
$8a + 12 = 4 \times 2a + 4 \times \dots\dots$ = $4 \times (2a + \dots\dots)$ = $4(2a + \dots\dots)$ vérif :	$10a + 15 = 5 \times 2a + 5 \times \dots\dots\dots$ = $5 \times (\dots\dots + \dots\dots)$ = $5(\dots\dots + \dots\dots)$ vérif :	$15a + 12 = 3 \times \dots\dots + 3 \times \dots\dots$ = $\dots\dots \times (\dots\dots + \dots\dots)$ = $\dots\dots(\dots\dots + \dots\dots)$ vérif :

