

Multiplication avec la Propriété Distributive (C)

Nom: _____ Date: _____ Note: _____

Utilisez la propriété distributive de la multiplication pour calculer chaque produit.

Ex. 8309×2
 $= (8000 + 300 + 0 + 9) \times (2)$
 $= (8000 \times 2) + (300 \times 2) + (0 \times 2) + (9 \times 2)$
 $= 16000 + 600 + 0 + 18 = \boxed{16618}$

1. 4687×2

2. 5730×8

3. 8943×9

4. 7092×7

5. 5033×3

Multiplication avec la Propriété Distributive (C) Réponses

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1. 4687×2

$$\begin{aligned} &= (4000 + 600 + 80 + 7) \times (2) \\ &= (4000 \times 2) + (600 \times 2) + (80 \times 2) + (7 \times 2) \\ &= 8000 + 1200 + 160 + 14 = \boxed{9374} \end{aligned}$$

2. 5730×8

$$\begin{aligned} &= (5000 + 700 + 30 + 0) \times (8) \\ &= (5000 \times 8) + (700 \times 8) + (30 \times 8) + (0 \times 8) \\ &= 40000 + 5600 + 240 + 0 = \boxed{45840} \end{aligned}$$

3. 8943×9

$$\begin{aligned} &= (8000 + 900 + 40 + 3) \times (9) \\ &= (8000 \times 9) + (900 \times 9) + (40 \times 9) + (3 \times 9) \\ &= 72000 + 8100 + 360 + 27 = \boxed{80487} \end{aligned}$$

4. 7092×7

$$\begin{aligned} &= (7000 + 0 + 90 + 2) \times (7) \\ &= (7000 \times 7) + (0 \times 7) + (90 \times 7) + (2 \times 7) \\ &= 49000 + 0 + 630 + 14 = \boxed{49644} \end{aligned}$$

5. 5033×3

$$\begin{aligned} &= (5000 + 0 + 30 + 3) \times (3) \\ &= (5000 \times 3) + (0 \times 3) + (30 \times 3) + (3 \times 3) \\ &= 15000 + 0 + 90 + 9 = \boxed{15099} \end{aligned}$$