

Multiplication avec la Propriété Distributive (F)

Nom: _____ Date: _____ Note: _____

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

Ex. 95965×9
 $= (90000 + 5000 + 900 + 60 + 5) \times (9)$
 $= (90000 \times 9) + (5000 \times 9) + (900 \times 9) + (60 \times 9) + (5 \times 9)$
 $= 810000 + 45000 + 8100 + 540 + 45 = \boxed{863685}$

1. 47205×3

2. 77551×6

3. 58768×3

4. 77650×2

5. 36746×4

Multiplication avec la Propriété Distributive (F) Réponses

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Ex. 95965×9

$$\begin{aligned} &= (90000 + 5000 + 900 + 60 + 5) \times (9) \\ &= (90000 \times 9) + (5000 \times 9) + (900 \times 9) + (60 \times 9) + (5 \times 9) \\ &= 810000 + 45000 + 8100 + 540 + 45 = \boxed{863685} \end{aligned}$$

1. 47205×3

$$\begin{aligned} &= (40000 + 7000 + 200 + 0 + 5) \times (3) \\ &= (40000 \times 3) + (7000 \times 3) + (200 \times 3) + (0 \times 3) + (5 \times 3) \\ &= 120000 + 21000 + 600 + 0 + 15 = \boxed{141615} \end{aligned}$$

2. 77551×6

$$\begin{aligned} &= (70000 + 7000 + 500 + 50 + 1) \times (6) \\ &= (70000 \times 6) + (7000 \times 6) + (500 \times 6) + (50 \times 6) + (1 \times 6) \\ &= 420000 + 42000 + 3000 + 300 + 6 = \boxed{465306} \end{aligned}$$

3. 58768×3

$$\begin{aligned} &= (50000 + 8000 + 700 + 60 + 8) \times (3) \\ &= (50000 \times 3) + (8000 \times 3) + (700 \times 3) + (60 \times 3) + (8 \times 3) \\ &= 150000 + 24000 + 2100 + 180 + 24 = \boxed{176304} \end{aligned}$$

4. 77650×2

$$\begin{aligned} &= (70000 + 7000 + 600 + 50 + 0) \times (2) \\ &= (70000 \times 2) + (7000 \times 2) + (600 \times 2) + (50 \times 2) + (0 \times 2) \\ &= 140000 + 14000 + 1200 + 100 + 0 = \boxed{155300} \end{aligned}$$

5. 36746×4

$$\begin{aligned} &= (30000 + 6000 + 700 + 40 + 6) \times (4) \\ &= (30000 \times 4) + (6000 \times 4) + (700 \times 4) + (40 \times 4) + (6 \times 4) \\ &= 120000 + 24000 + 2800 + 160 + 24 = \boxed{146984} \end{aligned}$$