

Multiplication avec la Propriété Distributive (G)

Nom: _____

Date: _____

Note: _____

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

Ex. 2170×6

$$\begin{aligned} &= (2000 + 100 + 70 + 0) \times (6) \\ &= (2000 \times 6) + (100 \times 6) + (70 \times 6) + (0 \times 6) \\ &= 12000 + 600 + 420 + 0 = \boxed{13020} \end{aligned}$$

1. 8768×4

2. 6079×4

3. 1637×2

4. 5647×7

5. 6782×8

Multiplication avec la Propriété Distributive (G) Réponses

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1. 8768×4

$$\begin{aligned} &= (8000 + 700 + 60 + 8) \times (4) \\ &= (8000 \times 4) + (700 \times 4) + (60 \times 4) + (8 \times 4) \\ &= 32000 + 2800 + 240 + 32 = \boxed{35072} \end{aligned}$$

2. 6079×4

$$\begin{aligned} &= (6000 + 0 + 70 + 9) \times (4) \\ &= (6000 \times 4) + (0 \times 4) + (70 \times 4) + (9 \times 4) \\ &= 24000 + 0 + 280 + 36 = \boxed{24316} \end{aligned}$$

3. 1637×2

$$\begin{aligned} &= (1000 + 600 + 30 + 7) \times (2) \\ &= (1000 \times 2) + (600 \times 2) + (30 \times 2) + (7 \times 2) \\ &= 2000 + 1200 + 60 + 14 = \boxed{3274} \end{aligned}$$

4. 5647×7

$$\begin{aligned} &= (5000 + 600 + 40 + 7) \times (7) \\ &= (5000 \times 7) + (600 \times 7) + (40 \times 7) + (7 \times 7) \\ &= 35000 + 4200 + 280 + 49 = \boxed{39529} \end{aligned}$$

5. 6782×8

$$\begin{aligned} &= (6000 + 700 + 80 + 2) \times (8) \\ &= (6000 \times 8) + (700 \times 8) + (80 \times 8) + (2 \times 8) \\ &= 48000 + 5600 + 640 + 16 = \boxed{54256} \end{aligned}$$