

## Multiplication avec la Propriété Distributive (F)

Nom: \_\_\_\_\_

Date: \_\_\_\_\_

Note: \_\_\_\_\_

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

Ex.  $2849 \times 8$

$$\begin{aligned} &= (2000 + 800 + 40 + 9) \times (8) \\ &= (2000 \times 8) + (800 \times 8) + (40 \times 8) + (9 \times 8) \\ &= 16000 + 6400 + 320 + 72 = \boxed{22792} \end{aligned}$$

1.  $8135 \times 6$

2.  $8942 \times 4$

3.  $8228 \times 9$

4.  $2059 \times 3$

5.  $8765 \times 9$

## Multiplication avec la Propriété Distributive (F) Réponses

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1.  $8135 \times 6$

$$\begin{aligned} &= (8000 + 100 + 30 + 5) \times (6) \\ &= (8000 \times 6) + (100 \times 6) + (30 \times 6) + (5 \times 6) \\ &= 48000 + 600 + 180 + 30 = \boxed{48810} \end{aligned}$$

2.  $8942 \times 4$

$$\begin{aligned} &= (8000 + 900 + 40 + 2) \times (4) \\ &= (8000 \times 4) + (900 \times 4) + (40 \times 4) + (2 \times 4) \\ &= 32000 + 3600 + 160 + 8 = \boxed{35768} \end{aligned}$$

3.  $8228 \times 9$

$$\begin{aligned} &= (8000 + 200 + 20 + 8) \times (9) \\ &= (8000 \times 9) + (200 \times 9) + (20 \times 9) + (8 \times 9) \\ &= 72000 + 1800 + 180 + 72 = \boxed{74052} \end{aligned}$$

4.  $2059 \times 3$

$$\begin{aligned} &= (2000 + 0 + 50 + 9) \times (3) \\ &= (2000 \times 3) + (0 \times 3) + (50 \times 3) + (9 \times 3) \\ &= 6000 + 0 + 150 + 27 = \boxed{6177} \end{aligned}$$

5.  $8765 \times 9$

$$\begin{aligned} &= (8000 + 700 + 60 + 5) \times (9) \\ &= (8000 \times 9) + (700 \times 9) + (60 \times 9) + (5 \times 9) \\ &= 72000 + 6300 + 540 + 45 = \boxed{78885} \end{aligned}$$