

Multiplication avec la Propriété Distributive (F)

Nom: _____

Date: _____

Note: _____

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

Ex. 443×95

$$\begin{aligned} &= (400 + 40 + 3) \times (90 + 5) \\ &= (400 \times 90) + (400 \times 5) + (40 \times 90) + (40 \times 5) + (3 \times 90) + (3 \times 5) \\ &= 36000 + 2000 + 3600 + 200 + 270 + 15 = \boxed{42085} \end{aligned}$$

1. 537×80

2. 181×17

3. 726×43

4. 168×29

5. 813×76

Multiplication avec la Propriété Distributive (F) Réponses

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1. 537×80

$$\begin{aligned} &= (500 + 30 + 7) \times (80 + 0) \\ &= (500 \times 80) + (500 \times 0) + (30 \times 80) + (30 \times 0) + (7 \times 80) + (7 \times 0) \\ &= 40000 + 0 + 2400 + 0 + 560 + 0 = \boxed{42960} \end{aligned}$$

2. 181×17

$$\begin{aligned} &= (100 + 80 + 1) \times (10 + 7) \\ &= (100 \times 10) + (100 \times 7) + (80 \times 10) + (80 \times 7) + (1 \times 10) + (1 \times 7) \\ &= 1000 + 700 + 800 + 560 + 10 + 7 = \boxed{3077} \end{aligned}$$

3. 726×43

$$\begin{aligned} &= (700 + 20 + 6) \times (40 + 3) \\ &= (700 \times 40) + (700 \times 3) + (20 \times 40) + (20 \times 3) + (6 \times 40) + (6 \times 3) \\ &= 28000 + 2100 + 800 + 60 + 240 + 18 = \boxed{31218} \end{aligned}$$

4. 168×29

$$\begin{aligned} &= (100 + 60 + 8) \times (20 + 9) \\ &= (100 \times 20) + (100 \times 9) + (60 \times 20) + (60 \times 9) + (8 \times 20) + (8 \times 9) \\ &= 2000 + 900 + 1200 + 540 + 160 + 72 = \boxed{4872} \end{aligned}$$

5. 813×76

$$\begin{aligned} &= (800 + 10 + 3) \times (70 + 6) \\ &= (800 \times 70) + (800 \times 6) + (10 \times 70) + (10 \times 6) + (3 \times 70) + (3 \times 6) \\ &= 56000 + 4800 + 700 + 60 + 210 + 18 = \boxed{61788} \end{aligned}$$