

Multiplication avec la Propriété Distributive (A)

Nom: _____

Date: _____

Note: _____

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

Ex. 38743×6

$$= (30000 + 8000 + 700 + 40 + 3) \times (6)$$

$$= (30000 \times 6) + (8000 \times 6) + (700 \times 6) + (40 \times 6) + (3 \times 6)$$

$$= 180000 + 48000 + 4200 + 240 + 18 = \boxed{232458}$$

1. 24153×7

2. 91609×9

3. 73449×3

4. 75774×3

5. 38546×9

Multiplication avec la Propriété Distributive (A) Réponses

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Ex. 38743×6

$$\begin{aligned} &= (30000 + 8000 + 700 + 40 + 3) \times (6) \\ &= (30000 \times 6) + (8000 \times 6) + (700 \times 6) + (40 \times 6) + (3 \times 6) \\ &= 180000 + 48000 + 4200 + 240 + 18 = \boxed{232458} \end{aligned}$$

1. 24153×7

$$\begin{aligned} &= (20000 + 4000 + 100 + 50 + 3) \times (7) \\ &= (20000 \times 7) + (4000 \times 7) + (100 \times 7) + (50 \times 7) + (3 \times 7) \\ &= 140000 + 28000 + 700 + 350 + 21 = \boxed{169071} \end{aligned}$$

2. 91609×9

$$\begin{aligned} &= (90000 + 1000 + 600 + 0 + 9) \times (9) \\ &= (90000 \times 9) + (1000 \times 9) + (600 \times 9) + (0 \times 9) + (9 \times 9) \\ &= 810000 + 9000 + 5400 + 0 + 81 = \boxed{824481} \end{aligned}$$

3. 73449×3

$$\begin{aligned} &= (70000 + 3000 + 400 + 40 + 9) \times (3) \\ &= (70000 \times 3) + (3000 \times 3) + (400 \times 3) + (40 \times 3) + (9 \times 3) \\ &= 210000 + 9000 + 1200 + 120 + 27 = \boxed{220347} \end{aligned}$$

4. 75774×3

$$\begin{aligned} &= (70000 + 5000 + 700 + 70 + 4) \times (3) \\ &= (70000 \times 3) + (5000 \times 3) + (700 \times 3) + (70 \times 3) + (4 \times 3) \\ &= 210000 + 15000 + 2100 + 210 + 12 = \boxed{227322} \end{aligned}$$

5. 38546×9

$$\begin{aligned} &= (30000 + 8000 + 500 + 40 + 6) \times (9) \\ &= (30000 \times 9) + (8000 \times 9) + (500 \times 9) + (40 \times 9) + (6 \times 9) \\ &= 270000 + 72000 + 4500 + 360 + 54 = \boxed{346914} \end{aligned}$$