Distributive Property Multiplication (B)

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 94596×6
$= (90000 + 4000 + 500 + 90 + 6) \times (6)$
$= (90000 \times 6) + (4000 \times 6) + (500 \times 6) + (90 \times 6) + (6 \times 6)$
$= 540000 + 24000 + 3000 + 540 + 36 = \boxed{567576}$

1. 22420×4

2. 81931×5

3. 91285×9

4. 91510×6

5. 13578×3

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Distributive Property Multiplication (B) Answers

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1. 22420×4
$= (20000 + 2000 + 400 + 20 + 0) \times (4)$
$= (20000 \times 4) + (2000 \times 4) + (400 \times 4) + (20 \times 4) + (0 \times 4)$
$= 80000 + 8000 + 1600 + 80 + 0 = \boxed{89680}$

2. 81931×5
$= (80000 + 1000 + 900 + 30 + 1) \times (5)$
$= (80000 \times 5) + (1000 \times 5) + (900 \times 5) + (30 \times 5) + (1 \times 5)$
$= 400000 + 5000 + 4500 + 150 + 5 = \boxed{409655}$

3. 91285×9
$= (90000 + 1000 + 200 + 80 + 5) \times (9)$
$= (90000 \times 9) + (1000 \times 9) + (200 \times 9) + (80 \times 9) + (5 \times 9)$
$= 810000 + 9000 + 1800 + 720 + 45 = \boxed{821565}$

4. 91510×6
$= (90000 + 1000 + 500 + 10 + 0) \times (6)$
$= (90000 \times 6) + (1000 \times 6) + (500 \times 6) + (10 \times 6) + (0 \times 6)$
$= 540000 + 6000 + 3000 + 60 + 0 = \boxed{549060}$

5. 13578×3
$= (10000 + 3000 + 500 + 70 + 8) \times (3)$
$= (10000 \times 3) + (3000 \times 3) + (500 \times 3) + (70 \times 3) + (8 \times 3)$
$= 30000 + 9000 + 1500 + 210 + 24 = \boxed{40734}$