Distributive Property Multiplication (G)

Use the distributive property of multiplication to calculate each product.

Ex. 564×5
$= (500 + 60 + 4) \times (5)$
$= (500 \times 5) + (60 \times 5) + (4 \times 5)$
$= 2500 + 300 + 20 = \boxed{2820}$

1. 265×3

6. 640×4

2. 112×3

7. 663×3

3. 399×9

8. 635×3

4. 838×5

9. 109×5

5. 856×5

10. 862×5

Distributive Property Multiplication (G) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 564×5
$= (500 + 60 + 4) \times (5)$
$= (500 \times 5) + (60 \times 5) + (4 \times 5)$
$= 2500 + 300 + 20 = \boxed{2820}$

1. 265×3
$= (200 + 60 + 5) \times (3)$
$= (200 \times 3) + (60 \times 3) + (5 \times 3)$
$= 600 + 180 + 15 = \boxed{795}$

6. 640×4
$= (600 + 40 + 0) \times (4)$
$= (600 \times 4) + (40 \times 4) + (0 \times 4)$
$= 2400 + 160 + 0 = \boxed{2560}$

2. 112×3
$= (100 + 10 + 2) \times (3)$
$= (100 \times 3) + (10 \times 3) + (2 \times 3)$
$= 300 + 30 + 6 = \boxed{336}$

7. 663×3
$= (600 + 60 + 3) \times (3)$
$= (600 \times 3) + (60 \times 3) + (3 \times 3)$
$= 1800 + 180 + 9 = \boxed{1989}$

3. 399×9
$= (300 + 90 + 9) \times (9)$
$= (300 \times 9) + (90 \times 9) + (9 \times 9)$
$= 2700 + 810 + 81 = \boxed{3591}$

8. 635×3
$= (600 + 30 + 5) \times (3)$
$= (600 \times 3) + (30 \times 3) + (5 \times 3)$
$= 1800 + 90 + 15 = \boxed{1905}$

4. 838×5
$= (800 + 30 + 8) \times (5)$
$= (800 \times 5) + (30 \times 5) + (8 \times 5)$
$= 4000 + 150 + 40 = \boxed{4190}$

9. 109×5
$= (100 + 0 + 9) \times (5)$
$= (100 \times 5) + (0 \times 5) + (9 \times 5)$
$= 500 + 0 + 45 = \boxed{545}$

5. 856×5
$= (800 + 50 + 6) \times (5)$
$= (800 \times 5) + (50 \times 5) + (6 \times 5)$
$= 4000 + 250 + 30 = \boxed{4280}$

10. 862×5
$= (800 + 60 + 2) \times (5)$
$= (800 \times 5) + (60 \times 5) + (2 \times 5)$
$= 4000 + 300 + 10 = \boxed{4310}$

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