Distributive Property Multiplication (I)

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 463×5
$= (400 + 60 + 3) \times (5)$
$= (400 \times 5) + (60 \times 5) + (3 \times 5)$
$= 2000 + 300 + 15 = \boxed{2315}$

1. 796×4

2. 766×8

3. 384×4

4. 707×4

5. 681×7

6. 454×8

7. 964×4

8. 204×6

9. 943×6

10. 656×7

Distributive Property Multiplication (I) Answers

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$= (400 + 60 + 3) \times (5)$
$= (400 \times 5) + (60 \times 5) + (3 \times 5)$
$= 2000 + 300 + 15 = \boxed{2315}$

1. 796×4
$= (700 + 90 + 6) \times (4)$
$= (700 \times 4) + (90 \times 4) + (6 \times 4)$
$= 2800 + 360 + 24 = \boxed{3184}$

6. 454×8
$= (400 + 50 + 4) \times (8)$
$= (400 \times 8) + (50 \times 8) + (4 \times 8)$
$= 3200 + 400 + 32 = \boxed{3632}$

2. 766×8
$= (700 + 60 + 6) \times (8)$
$= (700 \times 8) + (60 \times 8) + (6 \times 8)$
$= 5600 + 480 + 48 = \boxed{6128}$

7. 964×4
$= (900 + 60 + 4) \times (4)$
$= (900 \times 4) + (60 \times 4) + (4 \times 4)$
$= 3600 + 240 + 16 = \boxed{3856}$

3. 384×4
$= (300 + 80 + 4) \times (4)$
$= (300 \times 4) + (80 \times 4) + (4 \times 4)$
$= 1200 + 320 + 16 = \boxed{1536}$

8. 204×6
$= (200 + 0 + 4) \times (6)$
$= (200 \times 6) + (0 \times 6) + (4 \times 6)$
$= 1200 + 0 + 24 = \boxed{1224}$

4. 707×4
$= (700 + 0 + 7) \times (4)$
$= (700 \times 4) + (0 \times 4) + (7 \times 4)$
$= 2800 + 0 + 28 = \boxed{2828}$

9. 943×6
$= (900 + 40 + 3) \times (6)$
$= (900 \times 6) + (40 \times 6) + (3 \times 6)$
$= 5400 + 240 + 18 = \boxed{5658}$

5. 681×7
$= (600 + 80 + 1) \times (7)$
$= (600 \times 7) + (80 \times 7) + (1 \times 7)$
$= 4200 + 560 + 7 = \boxed{4767}$

10. 656×7
$= (600 + 50 + 6) \times (7)$
$= (600 \times 7) + (50 \times 7) + (6 \times 7)$
$= 4200 + 350 + 42 = \boxed{4592}$

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