Distributive Property Multiplication (C)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 611×3
$= (600 + 10 + 1) \times (3)$
$= (600 \times 3) + (10 \times 3) + (1 \times 3)$
$= 1800 + 30 + 3 = \boxed{1833}$

1. 537×8

2. 665×6

3. 935×2

4. 959×9

5. 594×7

6. 799×4

7. 676×9

8. 583×7

9. 260×3

10. 172×9

Distributive Property Multiplication (C) Answers

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 611×3
$= (600 + 10 + 1) \times (3)$
$= (600 \times 3) + (10 \times 3) + (1 \times 3)$
$= 1800 + 30 + 3 = \boxed{1833}$

1. 537×8
$= (500 + 30 + 7) \times (8)$
$= (500 \times 8) + (30 \times 8) + (7 \times 8)$
$= 4000 + 240 + 56 = \boxed{4296}$

6. 799×4
$= (700 + 90 + 9) \times (4)$
$= (700 \times 4) + (90 \times 4) + (9 \times 4)$
$= 2800 + 360 + 36 = \boxed{3196}$

2. 665×6
$= (600 + 60 + 5) \times (6)$
$= (600 \times 6) + (60 \times 6) + (5 \times 6)$
$= 3600 + 360 + 30 = \boxed{3990}$

7. 676×9
$= (600 + 70 + 6) \times (9)$
$= (600 \times 9) + (70 \times 9) + (6 \times 9)$
$= 5400 + 630 + 54 = \boxed{6084}$

3. 935×2
$= (900 + 30 + 5) \times (2)$
$= (900 \times 2) + (30 \times 2) + (5 \times 2)$
$= 1800 + 60 + 10 = \boxed{1870}$

8. 583×7
$= (500 + 80 + 3) \times (7)$
$= (500 \times 7) + (80 \times 7) + (3 \times 7)$
$= 3500 + 560 + 21 = \boxed{4081}$

4. 959×9
$= (900 + 50 + 9) \times (9)$
$= (900 \times 9) + (50 \times 9) + (9 \times 9)$
$= 8100 + 450 + 81 = \boxed{8631}$

9. 260×3
$= (200 + 60 + 0) \times (3)$
$= (200 \times 3) + (60 \times 3) + (0 \times 3)$
$= 600 + 180 + 0 = \boxed{780}$

5. 594×7
$= (500 + 90 + 4) \times (7)$
$= (500 \times 7) + (90 \times 7) + (4 \times 7)$
$= 3500 + 630 + 28 = \boxed{4158}$

10. 172×9
$= (100 + 70 + 2) \times (9)$
$= (100 \times 9) + (70 \times 9) + (2 \times 9)$
$= 900 + 630 + 18 = \boxed{1548}$