Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 85×30
$= (80 + 5) \times (30 + 0)$
$= (80 \times 30) + (80 \times 0) + (5 \times 30) + (5 \times 0)$
$= 2400 + 0 + 150 + 0 = \boxed{2550}$

1. 25×75

2. 92×83

3. 77×58

4. 34×73

5. 55×90

Distributive Property Multiplication (C) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 85×30
$= (80 + 5) \times (30 + 0)$
$= (80 \times 30) + (80 \times 0) + (5 \times 30) + (5 \times 0)$
$= 2400 + 0 + 150 + 0 = \boxed{2550}$

1. 25×75
$= (20 + 5) \times (70 + 5)$
$= (20 \times 70) + (20 \times 5) + (5 \times 70) + (5 \times 5)$
$= 1400 + 100 + 350 + 25 = \boxed{1875}$

2. 92×83
$= (90 + 2) \times (80 + 3)$
$= (90 \times 80) + (90 \times 3) + (2 \times 80) + (2 \times 3)$
$= 7200 + 270 + 160 + 6 = \boxed{7636}$

3. 77×58
$= (70 + 7) \times (50 + 8)$
$= (70 \times 50) + (70 \times 8) + (7 \times 50) + (7 \times 8)$
$= 3500 + 560 + 350 + 56 = \boxed{4466}$

4. 34×73
$= (30 + 4) \times (70 + 3)$
$= (30 \times 70) + (30 \times 3) + (4 \times 70) + (4 \times 3)$
$= 2100 + 90 + 280 + 12 = \boxed{2482}$

5. 55×90
$= (50 + 5) \times (90 + 0)$
$= (50 \times 90) + (50 \times 0) + (5 \times 90) + (5 \times 0)$
$= 4500 + 0 + 450 + 0 = \boxed{4950}$