

Distributive Property Multiplication (F)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 55×47
 $= (50 + 5) \times (40 + 7)$
 $= (50 \times 40) + (50 \times 7) + (5 \times 40) + (5 \times 7)$
 $= 2000 + 350 + 200 + 35 = \boxed{2585}$

1. 53×48

2. 38×47

3. 68×76

4. 83×29

5. 24×45

Distributive Property Multiplication (F) Answers

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Ex. 55×47

$$= (50 + 5) \times (40 + 7)$$

$$= (50 \times 40) + (50 \times 7) + (5 \times 40) + (5 \times 7)$$

$$= 2000 + 350 + 200 + 35 = \boxed{2585}$$

1. 53×48

$$= (50 + 3) \times (40 + 8)$$

$$= (50 \times 40) + (50 \times 8) + (3 \times 40) + (3 \times 8)$$

$$= 2000 + 400 + 120 + 24 = \boxed{2544}$$

2. 38×47

$$= (30 + 8) \times (40 + 7)$$

$$= (30 \times 40) + (30 \times 7) + (8 \times 40) + (8 \times 7)$$

$$= 1200 + 210 + 320 + 56 = \boxed{1786}$$

3. 68×76

$$= (60 + 8) \times (70 + 6)$$

$$= (60 \times 70) + (60 \times 6) + (8 \times 70) + (8 \times 6)$$

$$= 4200 + 360 + 560 + 48 = \boxed{5168}$$

4. 83×29

$$= (80 + 3) \times (20 + 9)$$

$$= (80 \times 20) + (80 \times 9) + (3 \times 20) + (3 \times 9)$$

$$= 1600 + 720 + 60 + 27 = \boxed{2407}$$

5. 24×45

$$= (20 + 4) \times (40 + 5)$$

$$= (20 \times 40) + (20 \times 5) + (4 \times 40) + (4 \times 5)$$

$$= 800 + 100 + 160 + 20 = \boxed{1080}$$