

## Distributive Property Multiplication (I)

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_

Use the distributive property of multiplication to calculate each product.

Ex.  $41 \times 61$   
 $= (40 + 1) \times (60 + 1)$   
 $= (40 \times 60) + (40 \times 1) + (1 \times 60) + (1 \times 1)$   
 $= 2400 + 40 + 60 + 1 = \boxed{2501}$

1.  $12 \times 81$

2.  $56 \times 85$

3.  $71 \times 45$

4.  $39 \times 37$

5.  $66 \times 81$

## Distributive Property Multiplication (I) Answers

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Use the distributive property of multiplication to calculate each product.

Ex.  $41 \times 61$

$$= (40 + 1) \times (60 + 1)$$

$$= (40 \times 60) + (40 \times 1) + (1 \times 60) + (1 \times 1)$$

$$= 2400 + 40 + 60 + 1 = \boxed{2501}$$

1.  $12 \times 81$

$$= (10 + 2) \times (80 + 1)$$

$$= (10 \times 80) + (10 \times 1) + (2 \times 80) + (2 \times 1)$$

$$= 800 + 10 + 160 + 2 = \boxed{972}$$

2.  $56 \times 85$

$$= (50 + 6) \times (80 + 5)$$

$$= (50 \times 80) + (50 \times 5) + (6 \times 80) + (6 \times 5)$$

$$= 4000 + 250 + 480 + 30 = \boxed{4760}$$

3.  $71 \times 45$

$$= (70 + 1) \times (40 + 5)$$

$$= (70 \times 40) + (70 \times 5) + (1 \times 40) + (1 \times 5)$$

$$= 2800 + 350 + 40 + 5 = \boxed{3195}$$

4.  $39 \times 37$

$$= (30 + 9) \times (30 + 7)$$

$$= (30 \times 30) + (30 \times 7) + (9 \times 30) + (9 \times 7)$$

$$= 900 + 210 + 270 + 63 = \boxed{1443}$$

5.  $66 \times 81$

$$= (60 + 6) \times (80 + 1)$$

$$= (60 \times 80) + (60 \times 1) + (6 \times 80) + (6 \times 1)$$

$$= 4800 + 60 + 480 + 6 = \boxed{5346}$$