

## Distributive Property Multiplication (H)

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

Use the distributive property of multiplication to calculate each product.

Ex.  $15 \times 35$   
 $= (10 + 5) \times (30 + 5)$   
 $= (10 \times 30) + (10 \times 5) + (5 \times 30) + (5 \times 5)$   
 $= 300 + 50 + 150 + 25 = \boxed{525}$

1.  $99 \times 24$

2.  $43 \times 86$

3.  $16 \times 48$

4.  $64 \times 24$

5.  $81 \times 17$

## Distributive Property Multiplication (H) Answers

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Date: \_\_\_\_\_

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Ex.  $15 \times 35$   
 $= (10 + 5) \times (30 + 5)$   
 $= (10 \times 30) + (10 \times 5) + (5 \times 30) + (5 \times 5)$   
 $= 300 + 50 + 150 + 25 = \boxed{525}$

1.  $99 \times 24$   
 $= (90 + 9) \times (20 + 4)$   
 $= (90 \times 20) + (90 \times 4) + (9 \times 20) + (9 \times 4)$   
 $= 1800 + 360 + 180 + 36 = \boxed{2376}$

2.  $43 \times 86$   
 $= (40 + 3) \times (80 + 6)$   
 $= (40 \times 80) + (40 \times 6) + (3 \times 80) + (3 \times 6)$   
 $= 3200 + 240 + 240 + 18 = \boxed{3698}$

3.  $16 \times 48$   
 $= (10 + 6) \times (40 + 8)$   
 $= (10 \times 40) + (10 \times 8) + (6 \times 40) + (6 \times 8)$   
 $= 400 + 80 + 240 + 48 = \boxed{768}$

4.  $64 \times 24$   
 $= (60 + 4) \times (20 + 4)$   
 $= (60 \times 20) + (60 \times 4) + (4 \times 20) + (4 \times 4)$   
 $= 1200 + 240 + 80 + 16 = \boxed{1536}$

5.  $81 \times 17$   
 $= (80 + 1) \times (10 + 7)$   
 $= (80 \times 10) + (80 \times 7) + (1 \times 10) + (1 \times 7)$   
 $= 800 + 560 + 10 + 7 = \boxed{1377}$