

Distributive Property Multiplication (E)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 12×9
 $= (10 + 2) \times (9)$
 $= (10 \times 9) + (2 \times 9)$
 $= 90 + 18 = \boxed{108}$

1. 21×2

6. 69×6

2. 83×7

7. 81×4

3. 33×5

8. 83×5

4. 46×7

9. 30×5

5. 17×7

10. 84×3

Distributive Property Multiplication (E) Answers

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Ex. 12×9
 $= (10 + 2) \times (9)$
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 $= 90 + 18 = \boxed{108}$

1. 21×2
 $= (20 + 1) \times (2)$
 $= (20 \times 2) + (1 \times 2)$
 $= 40 + 2 = \boxed{42}$

6. 69×6
 $= (60 + 9) \times (6)$
 $= (60 \times 6) + (9 \times 6)$
 $= 360 + 54 = \boxed{414}$

2. 83×7
 $= (80 + 3) \times (7)$
 $= (80 \times 7) + (3 \times 7)$
 $= 560 + 21 = \boxed{581}$

7. 81×4
 $= (80 + 1) \times (4)$
 $= (80 \times 4) + (1 \times 4)$
 $= 320 + 4 = \boxed{324}$

3. 33×5
 $= (30 + 3) \times (5)$
 $= (30 \times 5) + (3 \times 5)$
 $= 150 + 15 = \boxed{165}$

8. 83×5
 $= (80 + 3) \times (5)$
 $= (80 \times 5) + (3 \times 5)$
 $= 400 + 15 = \boxed{415}$

4. 46×7
 $= (40 + 6) \times (7)$
 $= (40 \times 7) + (6 \times 7)$
 $= 280 + 42 = \boxed{322}$

9. 30×5
 $= (30 + 0) \times (5)$
 $= (30 \times 5) + (0 \times 5)$
 $= 150 + 0 = \boxed{150}$

5. 17×7
 $= (10 + 7) \times (7)$
 $= (10 \times 7) + (7 \times 7)$
 $= 70 + 49 = \boxed{119}$

10. 84×3
 $= (80 + 4) \times (3)$
 $= (80 \times 3) + (4 \times 3)$
 $= 240 + 12 = \boxed{252}$