

Distributive Property Multiplication (B)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 46×16
 $= (40 + 6) \times (10 + 6)$
 $= (40 \times 10) + (40 \times 6) + (6 \times 10) + (6 \times 6)$
 $= 400 + 240 + 60 + 36 = \boxed{736}$

1. 97×51

2. 74×35

3. 59×36

4. 30×51

5. 54×80

Distributive Property Multiplication (B) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 46×16

$$\begin{aligned} &= (40 + 6) \times (10 + 6) \\ &= (40 \times 10) + (40 \times 6) + (6 \times 10) + (6 \times 6) \\ &= 400 + 240 + 60 + 36 = \boxed{736} \end{aligned}$$

1. 97×51

$$\begin{aligned} &= (90 + 7) \times (50 + 1) \\ &= (90 \times 50) + (90 \times 1) + (7 \times 50) + (7 \times 1) \\ &= 4500 + 90 + 350 + 7 = \boxed{4947} \end{aligned}$$

2. 74×35

$$\begin{aligned} &= (70 + 4) \times (30 + 5) \\ &= (70 \times 30) + (70 \times 5) + (4 \times 30) + (4 \times 5) \\ &= 2100 + 350 + 120 + 20 = \boxed{2590} \end{aligned}$$

3. 59×36

$$\begin{aligned} &= (50 + 9) \times (30 + 6) \\ &= (50 \times 30) + (50 \times 6) + (9 \times 30) + (9 \times 6) \\ &= 1500 + 300 + 270 + 54 = \boxed{2124} \end{aligned}$$

4. 30×51

$$\begin{aligned} &= (30 + 0) \times (50 + 1) \\ &= (30 \times 50) + (30 \times 1) + (0 \times 50) + (0 \times 1) \\ &= 1500 + 30 + 0 + 0 = \boxed{1530} \end{aligned}$$

5. 54×80

$$\begin{aligned} &= (50 + 4) \times (80 + 0) \\ &= (50 \times 80) + (50 \times 0) + (4 \times 80) + (4 \times 0) \\ &= 4000 + 0 + 320 + 0 = \boxed{4320} \end{aligned}$$