



## Determining Distributive Property

Name: \_\_\_\_\_

Rewrite the expression using the distributive property of multiplication and then solve.

1)  $6 \times (2 + 4)$

Distributive Property

Answer

2)  $8 \times (3 + 5)$

Distributive Property

Answer

3)  $5 \times (4 + 8)$

Distributive Property

Answer

4)  $8 \times (8 + 9)$

Distributive Property

Answer

5)  $4 \times (2 + 6)$

Distributive Property

Answer

6)  $5 \times (9 + 6)$

Distributive Property

Answer

7)  $8 \times (9 + 3)$

Distributive Property

Answer

8)  $5 \times (4 + 6)$

Distributive Property

Answer

9)  $7 \times (2 + 7)$

Distributive Property

Answer

10)  $5 \times (2 + 6)$

Distributive Property

Answer

Answers

1a. \_\_\_\_\_

1b. \_\_\_\_\_

2a. \_\_\_\_\_

2b. \_\_\_\_\_

3a. \_\_\_\_\_

3b. \_\_\_\_\_

4a. \_\_\_\_\_

4b. \_\_\_\_\_

5a. \_\_\_\_\_

5b. \_\_\_\_\_

6a. \_\_\_\_\_

6b. \_\_\_\_\_

7a. \_\_\_\_\_

7b. \_\_\_\_\_

8a. \_\_\_\_\_

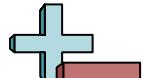
8b. \_\_\_\_\_

9a. \_\_\_\_\_

9b. \_\_\_\_\_

10a. \_\_\_\_\_

10b. \_\_\_\_\_



## Determining Distributive Property

Name: **Answer Key**

Rewrite the expression using the distributive property of multiplication and then solve.

1)  $6 \times (2 + 4)$        $\frac{(6 \times 2) + (6 \times 4)}{\text{Distributive Property}}$

$\frac{36}{\text{Answer}}$

2)  $8 \times (3 + 5)$        $\frac{(8 \times 3) + (8 \times 5)}{\text{Distributive Property}}$

$\frac{64}{\text{Answer}}$

3)  $5 \times (4 + 8)$        $\frac{(5 \times 4) + (5 \times 8)}{\text{Distributive Property}}$

$\frac{60}{\text{Answer}}$

4)  $8 \times (8 + 9)$        $\frac{(8 \times 8) + (8 \times 9)}{\text{Distributive Property}}$

$\frac{136}{\text{Answer}}$

5)  $4 \times (2 + 6)$        $\frac{(4 \times 2) + (4 \times 6)}{\text{Distributive Property}}$

$\frac{32}{\text{Answer}}$

6)  $5 \times (9 + 6)$        $\frac{(5 \times 9) + (5 \times 6)}{\text{Distributive Property}}$

$\frac{75}{\text{Answer}}$

7)  $8 \times (9 + 3)$        $\frac{(8 \times 9) + (8 \times 3)}{\text{Distributive Property}}$

$\frac{96}{\text{Answer}}$

8)  $5 \times (4 + 6)$        $\frac{(5 \times 4) + (5 \times 6)}{\text{Distributive Property}}$

$\frac{50}{\text{Answer}}$

9)  $7 \times (2 + 7)$        $\frac{(7 \times 2) + (7 \times 7)}{\text{Distributive Property}}$

$\frac{63}{\text{Answer}}$

10)  $5 \times (2 + 6)$        $\frac{(5 \times 2) + (5 \times 6)}{\text{Distributive Property}}$

$\frac{40}{\text{Answer}}$

**Answers**

1a.  $(6 \times 2) + (6 \times 4)$

**36**

2a.  $(8 \times 3) + (8 \times 5)$

**64**

3a.  $(5 \times 4) + (5 \times 8)$

**60**

4a.  $(8 \times 8) + (8 \times 9)$

**136**

5a.  $(4 \times 2) + (4 \times 6)$

**32**

6a.  $(5 \times 9) + (5 \times 6)$

**75**

7a.  $(8 \times 9) + (8 \times 3)$

**96**

8a.  $(5 \times 4) + (5 \times 6)$

**50**

9a.  $(7 \times 2) + (7 \times 7)$

**63**

10a.  $(5 \times 2) + (5 \times 6)$

**40**