



## Rewriting Expressions as Multiples of a Sum

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

Use the distributive property to rewrite the expression as a multiple of a sum of two numbers with no common factor.

Ex)  $14 + 12$  \_\_\_\_\_

1)  $24 + 27$  \_\_\_\_\_

2)  $16 + 12$  \_\_\_\_\_

3)  $24 + 30$  \_\_\_\_\_

4)  $16 + 4$  \_\_\_\_\_

5)  $24 + 20$  \_\_\_\_\_

6)  $45 + 14$  \_\_\_\_\_

7)  $9 + 45$  \_\_\_\_\_

8)  $4 + 9$  \_\_\_\_\_

9)  $2 + 42$  \_\_\_\_\_

10)  $24 + 45$  \_\_\_\_\_

11)  $30 + 16$  \_\_\_\_\_

12)  $20 + 10$  \_\_\_\_\_

Answers

Ex.  $2 \times (7+6)$

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

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

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

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

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

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

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

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

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

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

11. \_\_\_\_\_

12. \_\_\_\_\_



## Rewriting Expressions as Multiples of a Sum

Name:

**Answer Key**

Use the distributive property to rewrite the expression as a multiple of a sum of two numbers with no common factor.

Ex)  $14 + 12$   $2 \times (7+6)$

1)  $24 + 27$   $3 \times (8+9)$

2)  $16 + 12$   $4 \times (4+3)$

3)  $24 + 30$   $6 \times (4+5)$

4)  $16 + 4$   $4 \times (4+1)$

5)  $24 + 20$   $4 \times (6+5)$

6)  $45 + 14$   $1 \times (45+14)$

7)  $9 + 45$   $9 \times (1+5)$

8)  $4 + 9$   $1 \times (4+9)$

9)  $2 + 42$   $2 \times (1+21)$

10)  $24 + 45$   $3 \times (8+15)$

11)  $30 + 16$   $2 \times (15+8)$

12)  $20 + 10$   $10 \times (2+1)$

**Answers**

Ex.  $2 \times (7+6)$

1.  $3 \times (8+9)$

2.  $4 \times (4+3)$

3.  $6 \times (4+5)$

4.  $4 \times (4+1)$

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

6.  $1 \times (45+14)$

7.  $9 \times (1+5)$

8.  $1 \times (4+9)$

9.  $2 \times (1+21)$

10.  $3 \times (8+15)$

11.  $2 \times (15+8)$

12.  $10 \times (2+1)$