



## 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)  $24 + 4$  \_\_\_\_\_

$4 \times (6+1)$

1)  $4 + 10$  \_\_\_\_\_

2)  $18 + 6$  \_\_\_\_\_

3)  $24 + 39$  \_\_\_\_\_

4)  $12 + 8$  \_\_\_\_\_

5)  $36 + 42$  \_\_\_\_\_

6)  $2 + 24$  \_\_\_\_\_

7)  $21 + 6$  \_\_\_\_\_

8)  $36 + 22$  \_\_\_\_\_

9)  $26 + 12$  \_\_\_\_\_

10)  $33 + 21$  \_\_\_\_\_

11)  $28 + 36$  \_\_\_\_\_

12)  $36 + 20$  \_\_\_\_\_

Answers

Ex.  $4 \times (6+1)$

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

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

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

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

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

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

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

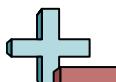
8. \_\_\_\_\_

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)  $24 + 4$   $4 \times (6+1)$

1)  $4 + 10$   $2 \times (2+5)$

2)  $18 + 6$   $6 \times (3+1)$

3)  $24 + 39$   $3 \times (8+13)$

4)  $12 + 8$   $4 \times (3+2)$

5)  $36 + 42$   $6 \times (6+7)$

6)  $2 + 24$   $2 \times (1+12)$

7)  $21 + 6$   $3 \times (7+2)$

8)  $36 + 22$   $2 \times (18+11)$

9)  $26 + 12$   $2 \times (13+6)$

10)  $33 + 21$   $3 \times (11+7)$

11)  $28 + 36$   $4 \times (7+9)$

12)  $36 + 20$   $4 \times (9+5)$

**Answers**

Ex.  $4 \times (6+1)$

1.  $2 \times (2+5)$

2.  $6 \times (3+1)$

3.  $3 \times (8+13)$

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

5.  $6 \times (6+7)$

6.  $2 \times (1+12)$

7.  $3 \times (7+2)$

8.  $2 \times (18+11)$

9.  $2 \times (13+6)$

10.  $3 \times (11+7)$

11.  $4 \times (7+9)$

12.  $4 \times (9+5)$