



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) $4 + 3$ _____
 $1 \times (4+3)$

Ex) $6 + 22$ _____
 $2 \times (3+11)$

1) $45 + 12$ _____

2) $3 + 36$ _____

3) $10 + 12$ _____

4) $15 + 18$ _____

5) $24 + 24$ _____

6) $9 + 24$ _____

7) $24 + 12$ _____

8) $12 + 30$ _____

9) $18 + 20$ _____

10) $30 + 3$ _____

11) $16 + 16$ _____

12) $24 + 36$ _____

Answers

Ex. $1 \times (4+3)$

Ex. $2 \times (3+11)$

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) $4 + 3$ $1 \times (4+3)$

Ex) $6 + 22$ $2 \times (3+11)$

1) $45 + 12$ $3 \times (15+4)$

2) $3 + 36$ $3 \times (1+12)$

3) $10 + 12$ $2 \times (5+6)$

4) $15 + 18$ $3 \times (5+6)$

5) $24 + 24$ $24 \times (1+1)$

6) $9 + 24$ $3 \times (3+8)$

7) $24 + 12$ $12 \times (2+1)$

8) $12 + 30$ $6 \times (2+5)$

9) $18 + 20$ $2 \times (9+10)$

10) $30 + 3$ $3 \times (10+1)$

11) $16 + 16$ $16 \times (1+1)$

12) $24 + 36$ $12 \times (2+3)$

Answers

Ex. $1 \times (4+3)$

Ex. $2 \times (3+11)$

1. $3 \times (15+4)$

2. $3 \times (1+12)$

3. $2 \times (5+6)$

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

5. $24 \times (1+1)$

6. $3 \times (3+8)$

7. $12 \times (2+1)$

8. $6 \times (2+5)$

9. $2 \times (9+10)$

10. $3 \times (10+1)$

11. $16 \times (1+1)$

12. $12 \times (2+3)$