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) $2 + 22 =$ 2×(1+11)

1) $6 + 39 =$ _____

2) $28 + 36 =$ _____

3) $27 + 30 =$ _____

4) $4 + 12 =$ _____

5) $42 + 36 =$ _____

6) $26 + 18 =$ _____

7) $9 + 24 =$ _____

8) $22 + 27 =$ _____

9) $18 + 42 =$ _____

10) $36 + 22 =$ _____

11) $30 + 22 =$ _____

12) $12 + 2 =$ _____

Answers

Ex. 2×(1+11)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

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) 2 + 22 = 2×(1+11)

1) 6 + 39 = 3×(2+13)

2) 28 + 36 = 4×(7+9)

3) 27 + 30 = 3×(9+10)

4) 4 + 12 = 4×(1+3)

5) 42 + 36 = 6×(7+6)

6) 26 + 18 = 2×(13+9)

7) 9 + 24 = 3×(3+8)

8) 22 + 27 = 1×(22+27)

9) 18 + 42 = 6×(3+7)

10) 36 + 22 = 2×(18+11)

11) 30 + 22 = 2×(15+11)

12) 12 + 2 = 2×(6+1)

Answers

Ex. 2×(1+11)

1. 3×(2+13)
2. 4×(7+9)
3. 3×(9+10)
4. 4×(1+3)
5. 6×(7+6)
6. 2×(13+9)
7. 3×(3+8)
8. 1×(22+27)
9. 6×(3+7)
10. 2×(18+11)
11. 2×(15+11)
12. 2×(6+1)

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								