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×(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×(6+1)

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) 24 + 4 4×(6+1)

1) 4 + 10 2×(2+5)

2) 18 + 6 6×(3+1)

3) 24 + 39 3×(8+13)

4) 12 + 8 4×(3+2)

5) 36 + 42 6×(6+7)

6) 2 + 24 2×(1+12)

7) 21 + 6 3×(7+2)

8) 36 + 22 2×(18+11)

9) 26 + 12 2×(13+6)

10) 33 + 21 3×(11+7)

11) 28 + 36 4×(7+9)

12) 36 + 20 4×(9+5)

Answers

Ex. **4×(6+1)**

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

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