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) $12 + 6$ _____ $6×(2+1)$ _____

1) $3 + 12$ _____

2) $24 + 4$ _____

3) $24 + 10$ _____

4) $10 + 12$ _____

5) $18 + 6$ _____

6) $39 + 24$ _____

7) $3 + 36$ _____

8) $3 + 21$ _____

9) $30 + 26$ _____

10) $21 + 24$ _____

11) $6 + 16$ _____

12) $18 + 20$ _____
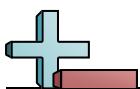
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

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) $12 + 6$ ___6×(2+1)___

1) $3 + 12$ ___3×(1+4)___

2) $24 + 4$ ___4×(6+1)___

3) $24 + 10$ ___2×(12+5)___

4) $10 + 12$ ___2×(5+6)___

5) $18 + 6$ ___6×(3+1)___

6) $39 + 24$ ___3×(13+8)___

7) $3 + 36$ ___3×(1+12)___

8) $3 + 21$ ___3×(1+7)___

9) $30 + 26$ ___2×(15+13)___

10) $21 + 24$ ___3×(7+8)___

11) $6 + 16$ ___2×(3+8)___

12) $18 + 20$ ___2×(9+10)___

Answers

Ex.	**6×(2+1)**
1.	**3×(1+4)**
2.	**4×(6+1)**
3.	**2×(12+5)**
4.	**2×(5+6)**
5.	**6×(3+1)**
6.	**3×(13+8)**
7.	**3×(1+12)**
8.	**3×(1+7)**
9.	**2×(15+13)**
10.	**3×(7+8)**
11.	**2×(3+8)**
12.	**2×(9+10)**

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