

**Factor the sum of terms as a product of the GCF and a sum.**

Example:

$$27 + 63$$

$$3 \cdot 3 \cdot 3 + 3 \cdot 3 \cdot 7$$

$$9 \cdot 3 + 9 \cdot 7$$

$$9(3 + 7)$$

First find the factors of each addend.

Find the GCF of the two numbers.

Next use the Distributive Property to rewrite the expression.

Example:

$$4 + 20$$

$$\underline{4(1 + 5)}$$

1.  $20 + 16$

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2.  $42 + 33$

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3.  $12 + 30$

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4.  $3 + 24$

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5.  $30 + 18$

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6.  $16 + 28$

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7.  $12y + 15y$

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8.  $24k + 16k$

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9.  $18z + 27z$

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10.  $20 + 16x$

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