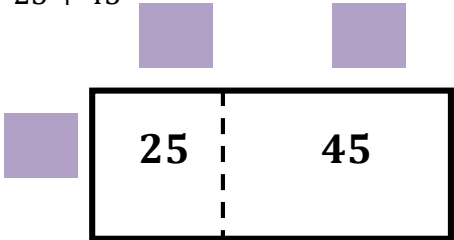
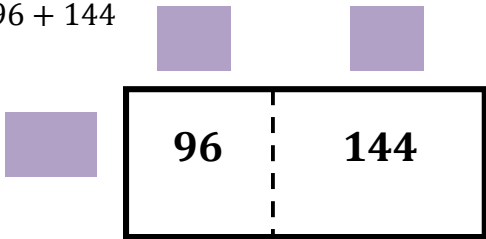


0.2e Homework: Using the Distributive Property To Find Equivalent Expressions

Directions: Use the distributive property and the GCF to write an equivalent expression for each given sum.

| | |
|---|---|
| <p>1. List the factors of 24:</p> <p>List the factors of 60:</p> <p>What is the GCF of 24 and 60:</p> <p>Use the GCF to write an equivalent expression for $24 + 60$</p> | <p>2. List the factors of 42:</p> <p>List the factors of 49:</p> <p>What is the GCF of 42 and 49:</p> <p>Use the GCF to write an equivalent expression for $42 + 49$</p> |
| <p>3. $25 + 45$</p>  | <p>4. $96 + 144$</p>  |
| <p>5. $16 + 36$</p> | <p>6. $54 + 81$</p> |
| <p>7. $72 + 32$</p> | <p>8. $34 + 17$</p> |
| <p>9. $35 + 75$</p> | <p>10. $13 + 15$</p> |

11. Create your own example that uses the distributive property to rewrite a sum as an equivalent expression using the GCF. Choose numbers for a , b , and n , where n is the GCF of a and b .
- $$a + b = n(a) + n(b) = n(a + b).$$