Content Standard	**MAFS.6.NS** *The Number System* **MAFS.6.NS.2** *Compute fluently with multi-digit numbers and find common factors and multiples.* **MAFS.6.NS.2.4** Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor. *For example, express* $36 + 8$ *as* $4(9 + 2)$.
Assessment Limits	Whole numbers less than or equal to 100. Least common multiple of two whole numbers less than or equal to 12.
Calculator	No
Item Types	Equation Editor GRID Matching Item Multiple Choice
Context	No context

Sample Item	Item Type
What is the greatest common factor of 15 and 20?	Equation Editor
What is the least common multiple of 7 and 12?	Equation Editor
Which expression is equivalent to $8 + 20$? A. $4(4 + 20)$ B. $4(2 + 5)$ C. $2(2 + 10)$ D. $2(6 + 18)$	Multiple Choice
An equation is shown. $30 + 12 = \square \, (5 + 2)$ What factor is missing from the equation?	Equation Editor
Match the equivalent expressions by clicking in the table. <table><tr><td></td><td>$4(10 + 9)$</td><td>$9(5 + 2)$</td><td>$3(12 + 7)$</td></tr><tr><td>$36 + 21$</td><td>☐</td><td>☐</td><td>☐</td></tr><tr><td>$45 + 18$</td><td>☐</td><td>☐</td><td>☐</td></tr><tr><td>$40 + 36$</td><td>☐</td><td>☐</td><td>☐</td></tr></table>	Matching Item