Content Standard	***MAFS.3.OA*** *Operations and Algebraic Thinking* ***MAFS.3.OA.4*** *Solve problems involving the four operations, and identify and explain patterns in arithmetic.* **MAFS.3.OA.4.9** Identify arithmetic patterns (including patterns in the addition table or multiplication table); and explain them using properties of operations. *For example, observe that 4 times a number is always even, and explain why 4 times a number can be decomposed into two equal addends.*
Assessment Limits	Adding and subtracting whole numbers within 1,000. Multiplying and dividing whole numbers within 100.
Calculator	No
Acceptable Response Mechanisms	Equation Response Graphic Response — Hot Spot Multiple Choice Response Multi-Select Response Table Response
Context	No context

Example	
Context	A pattern is shown. The rule for a pattern is subtraction or multiplication.
Context easier	Examine multiples of 2, 5, or 10. Present the pattern in the context of an addition/multiplication table. The rule for a pattern is addition.
Context more difficult	Examine multiples of 7 or 8. Present the pattern as a list of numbers, not in the context of an addition/multiplication table. The rule for a pattern is division.

Sample Item Stem	Response Mechanism	Notes, Comments
A partial multiplication table (6 x 6) is given. Enter the multiples of 5 to complete the table.	Table Response	
A multiplication table is given (6 x 10). Enter the multiples for 6 to complete the table.	Table Response	
A multiplication table is given (10 x 10). Enter the multiples for 8 to complete the table.	Table Response	
A multiplication table is shown. Which statement correctly describes finding multiples of 6?	Multiple Choice Response	