Content Standard	**MAFS.3.OA** *Operations and Algebraic Thinking*
	MAFS.3.OA.1 *Represent and solve problems involving multiplication and division.*
	MAFS.3.OA.1.1 Interpret products of whole numbers, e.g., interpret 5 × 7 as the total number of objects in 5 groups of 7 objects each. *For example, describe a context in which a total number of objects can be expressed as 5 × 7.*
Assessment Limits	Products within 100. Whole number factors.
Calculator	No
Acceptable Response Mechanisms	Equation Response Multiple Choice Response Multi-Select Response Natural Language Response Table Response
Context	Allowable

Example	
Context	Use numbers that have 4-5 factors other than 1.
Context easier	Use numbers that have 2-3 factors other than 1.
Context more difficult	Use numbers that have more than 5 factors other than 1 and more than one design for the flower arrangement.

Sample Item Stem	Response Mechanism	Notes, Comments
Tom planted 5 rows of flowers with 7 flowers in each row. Write a multiplication equation that shows the number of flowers in Tom's rectangular-shaped garden.	Equation Response	
Tom told Mary he planted 4 x 5 flowers. How might Mary describe the arrangement of flowers in Tom's rectangular-shaped garden?	Natural Language Response	
Tom told Mary he planted 48 flowers in the rectangular-shaped garden. Select the correct sentence Mary could use to describe how the flowers were planted.	Multiple Choice Response	

			Table Response	
Tom has to plant 36 flowers in the garden. Complete the table to show 3 different designs for how Tom could plant the flowers.				

	Number of Rows	Number of Columns
Design 1		
Design 2		
Design 3		