Content Standard		MAFS.4.OA Operations and Algebraic Thinking					
		MAFS.4.OA.2 Gain familiarity with factors and multiples.					
		MAFS.4.OA.2.4 Investigate	factors and multiples.				
		MAFS.4.OA.2.4a Find all factor pairs and multiples in the range of 1—100.					
		MAFS.4.OA.2.4b Recognize that a whole number is a multiple of each of its factors.					
		MAFS.4.OA.2.4c Determine whether a given whole number in the range 1—100 is prime or composite.					
Assessment Limits		Whole numbers in the range 1—100.					
		Vocabulary may include prime, composite, factor, or multiple.					
Calculator		No					
Acceptab	le	Equation Response					
Response		Multi-Select Response					
Mechanis	sms	Graphic Response – Drag-and-Drop, Hot Spot					
		Matching Item Response					
		Multiple Choice Response					
		Table Response					
Context	Allowable	le					
Example							
Context	Use num	bers with 3 or 4 factors (aside	e from 1 and the number it	self).			
	Use num	numbers between 17 and 50.					
Context	Use num	numbers with 2 or 3 factors (aside from 1 and the number itself).					
easier	Use num	numbers less than 17.					
Context	Use num	mbers with more than 4 factors (aside from 1 and the number itself).					
more	Use numbers greater than 50.						
difficult							
Sample Item Stem			Response Mechanism	Notes, Comments			
What are the factors of 10?			Equation Response				

× 1 2 3 4 1 1 2 3 4 2 2 4 6 8	25 30 35 40 45	e chart.	Graphic Response – Hot Spot	
Which factors do	36 and 42 have in o	common?	Multi-Select Response	
Determine whet composite.	her each number is _l	prime or	Matching Item Response	
Prime	Composite			
16				
13				
12				
9				
7				
wants to put the array. Complete	g the chairs for a red 16 chairs into a rect the table to show the range the chairs.	tangular	Table Response	
		Number		
		of		
		Chairs in Each		
	Number of Rows	Row		
Arrangement 1	17dilloci oi Nows			
Arrangement 2				
Arrangement 3				
	1	<u>ı</u>		
	between 80 and 100 , one of which is 5.) that has	Equation Response	