Content Standard		MAFS.5.0A Operations and Algebraic Thinking				
		MAES 5 OA 1 Write and interpret numerical expressions				
		WAF5.5.0A.1 WITLE U	na interpret namerical expre			
		MAFS.5.OA.1.2 Write simple expressions that record calculations with numbers, and				
		interpret numerical expressions without evaluating them. For example, express the				
		Calculation and 8 and 7, then multiply by 2 as $2 \times (8 + 7)$. Recognize that 3 x (18932 + 921) is three times as large as $18932 + 921$ without having to calculate				
		the indicated sum or product.				
Assessment Limits		Whole numbers only.				
		Simple fraction expressions.				
		Do not use nested parentheses.				
		Use numeric expressions only.				
		Multiplication cross symbol is the only acceptable symbol for multiplication. Do not				
		use the c-dot.				
		When grouping symbols are part of the expression, the associative property or				
Calaulatan		distributive property should be found in that expression.				
		Ruption Posponso				
Acceptable		Multiple Choice Response				
Mechanisms		Natural Language Response				
Context No conte		xt				
Example						
Context	Use 4 nur	mbers with expressions that do not require grouping (Multiply 3 and 4, then add 5).				
	Use 3 nu	imbers with expressions that require grouping (Add 3 and 4, then multiply by 5).				
Context	Use only	/ 3 numbers. Use direct words for the operations (add, subtract, multiply, divide, plus,				
easier	minus,	, times). Use only whole numbers. Expressions that do not require grouping.				
Context	Use 5 nur	Imbers with expressions that do not require grouping ("Multiply 3 and 4, then add 5").				
more	Use 4 nur	umbers with expressions that require grouping (Add 3 and 4, then multiply by 5). Use				
difficult indirect words for the operation		ions (double, triple, sum, pro	oduct) Include a fraction.			
Sample Item Stem			Response Mechanism	Notes, Comments		
An expression is described in words.			Equation Response			
Divide 10 by 2 then subtract 2						
Divide 10 by 2, then Subtract 3.						
Create the expression using numbers						
and symbols.						

An expression is described in words.	Equation Response	
Subtract 6 from 9, then divide by 3.		
Create the expression using numbers		
and symbols.		
An expression is described in words.	Equation Response	
Add 5 and 14 triple the sum and then		
add four fifths		
Create the expression using numbers		
and symbols.		
An expression is shown.	Multiple Choice	
	Response	
$18 + \frac{1}{2}(9 - 4)$		
Which statement describes this		
expression?		
A Uplit the difference of 0 and 4		
A. Hall the difference of 9 and 4		
B. Subtract half the quantity of 9		
and 4 from 18		
C. The sum of 18 and half the		
product of 9 and 4		
D. Half of 9 added to 18 minus 4		
An expression is shown.	Multiple Choice	
	Response	
3 X 4 X 5 - 5 + 5		
Which statement describes this		
expression?		
A. Inree more than 5 subtracted		
B The product of 3.4, and 5		
subtracted from 5 plus 3		
C. Multiply 3, 4, and 5, then		
subtract 5 and add 3.		
D. Three added to 5, then		
subtracted from the product of		
3, 4, and 5		