Content Standard MAFS.8.SP Statistics and Probability			
	MAFS.8.SP.1 Investigate patterns of association in bivariate data.		
	MAFS.8.SP.1.3 Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept. For example, in a linear model for a biology experiment, interpret a slope of 1.5 cm/hr as meaning that an additional hour of sunlight each day is associated with an additional 1.5 cm in mature plant height.		
Assessment Limits	ment Limits Numbers in items must be simple rational numbers (e.g., $\frac{1}{2}$, $\frac{1}{4}$, to the 10 th). Data are required for all items.		
Calculator	or Neutral		
Item Types	es Equation Editor		
	Multiple Choice		
	Multiselect		
Open Response			
Context	ntext Required		
Sample Item		Item Type	
The slope of the line	e of best fit for the data shown is $\frac{3}{2}$.	Multiselect	
Hours Total Snow Accumulated (inches)			
1	1.7		
2	2.9		
3	4.4		
4	6.2		
5	7.5		
7	10.3		
8	11.9		
What is the meaning of $\frac{3}{2}$ in terms of the context?			
\square After $\frac{3}{2}$ hours the snow begins.			
$\Box \text{It snows exactly } \frac{3}{2} \text{ inches each hour.}$			
The snow is accumulating at about $\frac{3}{2}$ inches per hour.			
\Box The snow height increases by about $\frac{3}{2}$ inches each hour.			
$\Box \text{The ground has } \frac{3}{2} \text{ inches of snow before the data starts.}$			

Sample Item	Item Type		
	Open Response		
The amount of money Alan earns as a plumber after x hours is modeled by the equation $y = $25x + 50 .			
What is the meaning of \$25 in this model?			