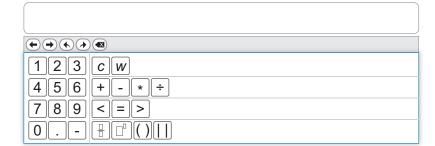## Grade Seven Sample Test Item—Problem Solving & Modeling/Data Analysis
Achievement Level: Standard Met

Grade Seven

A shipping company charges \$2.65 plus \$0.40 per ounce to ship a package from New York to Los Angeles.

Write an equation to show the relationship between c, the total cost to ship a package from New York to Los Angeles using the shipping company, and w, the weight of the package, in ounces.

1	2	3	c	w
4	5	6	+	-	*	÷
7	8	9	<	=	>
0	.	-

Area	**Problem Solving & Modeling/Data Analysis** Using appropriate tools and strategies to solve real world and mathematical problems
Standard(s)	"Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities."
Answer	$c = 0.40w + 2.65$ [Scoring note: Accepts equivalent equations as correct]