			1.5%		
Name		Class	Date		3-1
	g Problem equalities		pressions, E	equations,	COMMON CORE
	-		7		•
and inequal		i you soive probie	ems by using expression	ons, equations,	CC.7.EE.3
1 EXPLORE Solving Problems Using Expressions					
At the beginning of the year, a stock was worth \$41. By the end of the year, its value had increased 18.9%.					
A Estimate the value of the stock at the end of the year. Use a bar model.					
Round 41 to 40 and 18.9 to 20. As a fraction, 20% is written as .					
	X				
The white bar represents \$40. It is divided into equal pieces.					
Each section represents, or \$					
The value of the stock increases by an amount represented by 1 section of the model, so add 1 section to the end of the bar to find the stock's end-of-year value.					
			1+\$ X8		

B Find the final value of the stock to the nearest hundredth.

Write an expression for the stock's final value.

So the stock's final value was approximately \$