Na	เme	Date	Time
ST	O+5 Cricket Formula	S	
In 1897, the physicist, A. E. Dolbear, published an article titled "The Cricket as a Thermometer." In it he claimed that outside temperatures can be estimated by counting the number of chirps made by crickets and then by using that number in the following formula: Outside temperature (°F) = $\frac{(number of cricket chirps per minute - 40)}{4} + 50$			SRB 218
1.	Write a number model for the formula.		
2.	According to this formula, what is the estimated outside temperature if you count 80 chirps in a minute?		
	Other cricket formulas exist. The follow to work particularly well with field cricke	ving formula is supposed ets:	
	Outside temperature ($^{\circ}F$) = (number of	f chirps in 15 seconds) + 37	
3.	Write a number model for the formula.		
4.	According to this formula, what is the estimated outside temperature if you counted 35 chirps in 15 seconds?		
5.	Compare the two formulas. If you count 30 chirps in 15 seconds, what is the estimated outside temperature for each formula?		
	a. First formula:	_	
	b. Second formula:		
	Practice		
6.	$7 - 2\frac{2}{5} = $	7. $1\frac{1}{2} + 2\frac{2}{3} + 3\frac{3}{4} + \frac{1}{12} = $	
8.	$\left(\frac{2}{3} * \frac{2}{3}\right) - \frac{2}{9} = \underline{\qquad}$	9. $\frac{12}{9} \div \frac{1}{3} = $	