

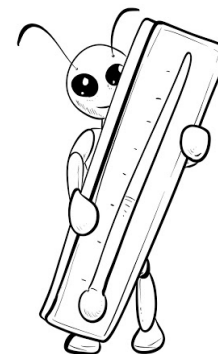


Problem of the Week

Problem B

'Temp'ting Crickets

Crickets can help determine the temperature, in degrees Celsius. One possible way to make this calculation is to follow the steps below.



Step 1: Count the number of chirps in 25 seconds.

Step 2: Divide the number from Step 1 by 3.

Step 3: Add 4 to the number from Step 2.

- (a) By filling in each ____ in the following equation with either a variable or a number, write an equation to show how to get the temperature, t , based on a certain number of chirps, c , in 25 seconds.

$$t = \underline{\quad} \div \underline{\quad} + \underline{\quad}$$

- (b) Fill in the second column of the following table.

Chirps (c) in 25 seconds	Temperature (t) in degrees Celsius
60	
54	
66	

- (c) Fill in the first column of the following table.

Chirps (c) in 25 seconds	Temperature (t) in degrees Celsius
	18
	20
	16