

Algebra 2
Data Collection: crickets
Record data

Sep 5-4:38 PM

X (15s) y

Chirps	Temp F	
16	54	
20	65	
30	79	
31	79	
24	68	
32	82	

Temp

Chirps

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(16, 54)
(24, 68)

$$m = \frac{68 - 54}{24 - 16} = \frac{14}{8} = 1.75$$

$y = mx + B$
 $54 = 1.75(16) + B$
 $54 = 28 + B$
 $B = 26$

$y = 1.75x + 26$
Temp = 1.75Chirps + 26

47°	12
73°	27
79°	30

Sep 10-3:14 PM

What do we know?
What might be interesting to find out?

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Graph

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Write the equation of the line of fit.
Use your equation to predict the temperature of the next three crickets.

temp = #chirps....

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Homework:
Graph + equation (done in class)
Paragraph about this activity
Listen to a cricket tonight and use the # of chirps to predict the temp.

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Sep 6-4:10 PM