

6.EE Chocolate Bar Sales

Task

Stephanie is helping her band collect money to fund a field trip. The band decided to sell boxes of chocolate bars. Each bar sells for \$1.50 and each box contains 20 bars. Below is a partial table of monies collected for different numbers of boxes sold.

Boxes Sold	Money Collected
b	m
1	\$30.00
2	
3	
4	
5	\$150.00
6	
7	
8	

- Complete the table above for values of m .
- Write an equation for the amount of money, m , that will be collected if b boxes of chocolate bars are sold. Which is the independent variable and which is the dependent variable?

- c. Graph the equation using the ordered pairs from the table above.
- d. Calculate how much money will be collected if 100 boxes of chocolate bars are sold.
- e. The band collected \$1530.00 from chocolate bar sales. How many boxes did they sell?



6.EE Chocolate Bar Sales
Typeset May 4, 2016 at 22:34:03. Licensed by Illustrative Mathematics under a
Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License .