**LET’S HELP STEPHANIE OUT!!!**

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 (x)** | **Money collected (y)** | **Ordered Pair (x,y)** |
| **0** |  |  |
| **1** | $30 | (1,30) |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |
| **5** | $150 |  |
| **6** |  |  |
| **7** |  |  |
| **8** |  |  |



1. Complete the table above for values of y and ordered pairs.
2. Which is the independent variable? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Which is the dependent variable? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Graph the equation using the ordered pairs from the table above.
4. Calculate how much money will be collected if 100 boxes of chocolate bars are sold.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The band collected $1530 from chocolate bar sales. How many boxes did they sale? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What would be the constant (k) in this situation? \_\_\_\_\_ Direct variation equation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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