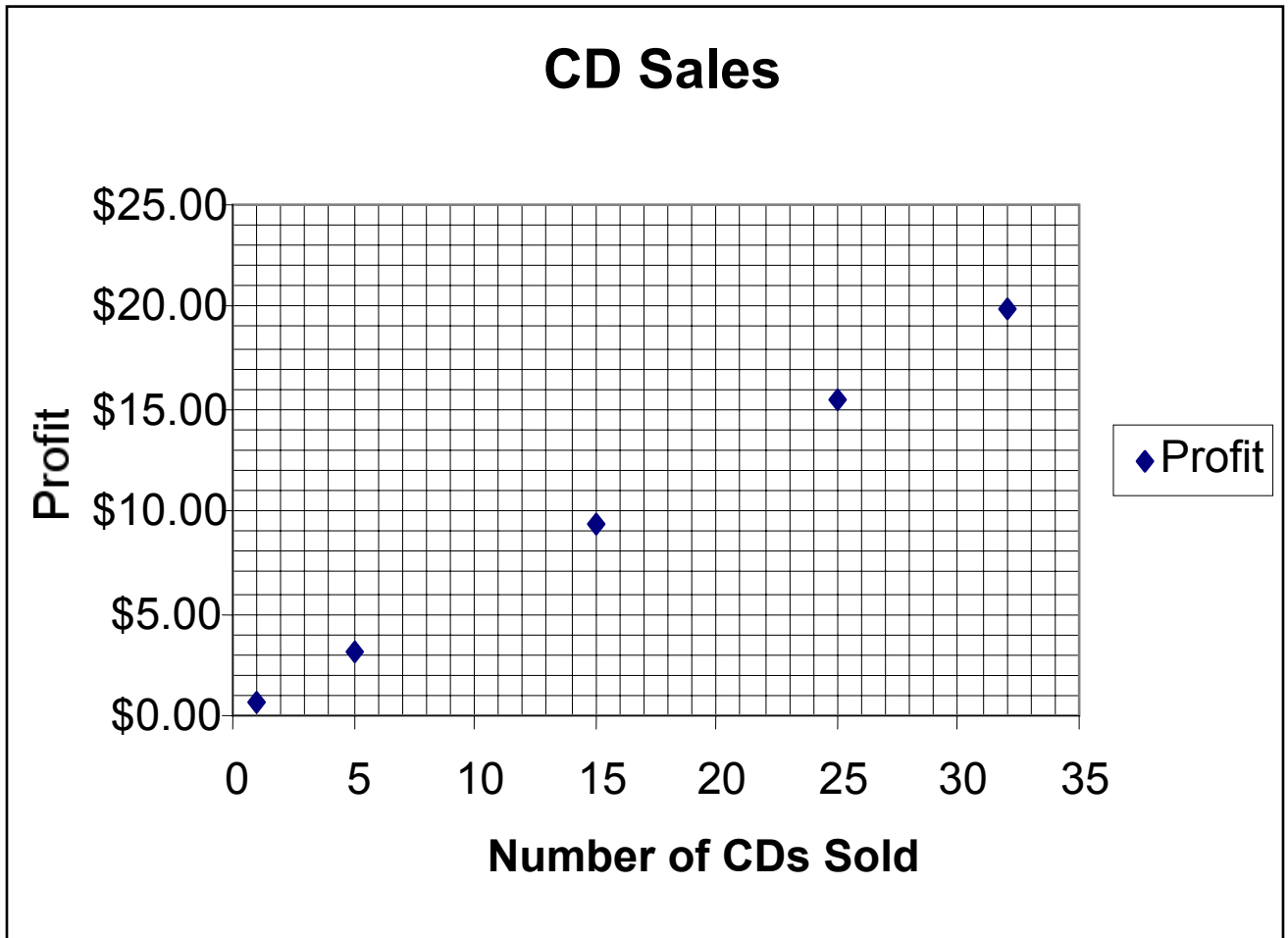


**Post-Assessment  
Answer sheet**

The school store sells read/write CDs for \$1.00 each. Their cost is \$.38 each.

1. How much profit will the school make on each CD? **\$.62 or 62¢**
  
2. What will the profit be for 5 CDs? **\$3.10 or 310¢**  
  
For 15 CDs? **\$9.30 or 930¢**  
  
For 25 CDs? **\$15.50 or 1550¢**  
  
For 32 CDs? **\$19.84 or 1984¢**
  
3. Complete the table and graph for the data collected on the profit made on CD sales. *(Make sure label and scale are appropriately marked)*

<b>Number of CDs Sold</b>	<b>Profit</b>
<b>1</b>	<b>\$.62</b>
<b>5</b>	<b>\$3.10</b>
<b>15</b>	<b>\$9.30</b>
<b>25</b>	<b>\$15.50</b>
<b>32</b>	<b>\$19.84</b>



4. The school plans on purchasing new software that cost \$100. Based on the table and graph predict how many CDs need to be sold to purchase the new software. Show or explain your reasoning. **Student may use multiple methods to determine their prediction. For example a student determines that at 33 CDs the school will have profit over \$20.00 and 5 x \$20 is \$100, therefore 5 x 33 or 162 CDs will give the school at least \$100.**
5. Generalize the pattern with an expression.  $C = \text{Number of CDs}$ ,  $P = \text{Profit}$ , then  $C \times \$0.62 = P$  (The student may only put the expression and should be asked what their variables represent. Other variables may be used.)