DIRECTIONS: Read each problem and underline the question and important information. Set up an inequality in the second column. Write your answer in the last column.

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| **Word Problem** | **Inequality** | **Answer** |
| **EXAMPLE** | **2x + 14 > 12** | **x>-1** |
| 1. A store makes a profit of $14.76 on each belt it sells. The company will also give each store $50.00 for carrying its product. If the store wants to make at *least* $475.00 on the belts, what is the fewest number of belts it will have to sell? |  |  |
| 2. Howard picks apples at an orchard.  He earns $4.35 for each hour he works and $2.20 for each bushel he picks.  His goal is to earn at least $100 this week.  Write the inequality that can be used to determine the number of hours (h) and bushels (b) he needs to reach his goal. |  |  |
| 3. Sue has saved $5,400.  Each week, she plans to add $120 to this amount.  How many weeks will it take for her total savings to reach at *least* $6,300? |  |  |
| 4. The cost to rent a construction crane is $750 per day plus $250 per hour of use.  What is the maximum number of hours the crane can be used  each day if the rental is not to exceed $2,500 per day? |  |  |