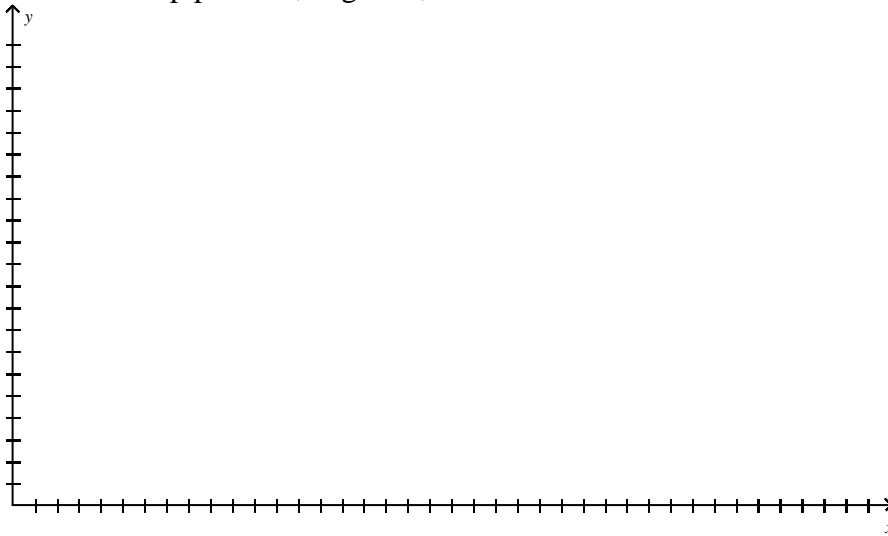


The table below shows the weight (pounds) and height (inches) for a group of ten 20 male college students.

<b>Weight</b>	<b>210</b>	<b>170</b>	<b>220</b>	<b>184</b>	<b>180</b>	<b>245</b>	<b>183</b>	<b>194</b>	<b>190</b>	<b>213</b>
<b>Height</b>	<b>72</b>	<b>65</b>	<b>75</b>	<b>68</b>	<b>66</b>	<b>77</b>	<b>67</b>	<b>71</b>	<b>69</b>	<b>74</b>

- a. Create a scatter plot to show how weight (x) and height (y) are related. Is the relationship positive, negative, or is there no relation?



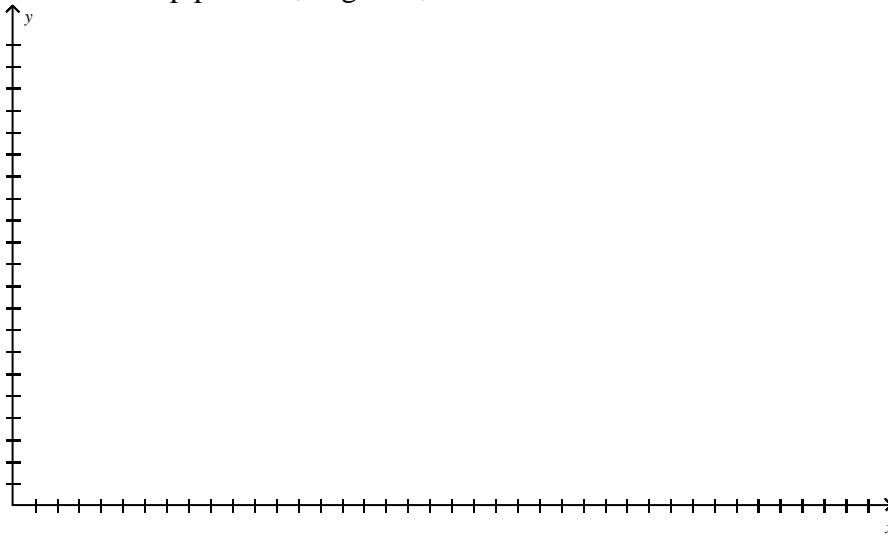
- b. Write a prediction equation that relates a person's weight to their approximate height.

- c. Find the approximate height of a 235 pound person.

The table below shows the number of soda cans collected and the number of days it took to collect those cans for ten different people.

<b>Cans</b>	<b>42</b>	<b>65</b>	<b>38</b>	<b>24</b>	<b>57</b>	<b>49</b>	<b>30</b>	<b>51</b>	<b>33</b>	<b>39</b>
<b>Days</b>	<b>21</b>	<b>30</b>	<b>22</b>	<b>10</b>	<b>25</b>	<b>26</b>	<b>14</b>	<b>26</b>	<b>19</b>	<b>16</b>

- a. Create a scatter plot to show how cans ( $x$ ) and days ( $y$ ) are related. Is the relationship positive, negative, or is there no relation?



- b. Write a prediction equation that relates the number of cans collected to the time it took to collect them.

- c. Find the approximate amount of time it would take to collect 99 cans.