Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A bakery is selling donuts and muffins.

* Let x be the number of donuts sold

|  |  |
| --- | --- |
| **Words** | **Equations** |
| They sell at least three times as many donuts as muffins. |  |
| They sell a maximum of 150 donuts. |  |
| They sell no more than three more donuts than muffins. |  |
| They sell fewer donuts than muffins. |  |
| They sell at least 150 donuts. |  |
| They sell a maximum of half as many muffins as donuts. |  |
| They sell at least 150 muffins. |  |
| They sell a maximum of half as many donuts as muffins. |  |
| They sell fewer muffins than donuts. |  |
| They sell at least three times as many muffins as donuts. |  |
| They sell a maximum of 150 muffins. |  |
| The sell no more than three more muffins than donuts. |  |
| Write your own | Write in your answer |
| Write your own | Write in your answer |

* Let y be the number of muffins sold

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| $$y\geq 3x$$ |  | $$y\geq 3x$$ |  | $$y\geq 3x$$ |
| $$x\geq 3y $$ |  | $$x\geq 3y $$ |  | $$x\geq 3y $$ |
| $$ x\leq y+3$$ |  | $$ x\leq y+3$$ |  | $$ x\leq y+3$$ |
| $$y\leq x+3 $$ |  | $$y\leq x+3 $$ |  | $$y\leq x+3 $$ |
| $$x\geq 150$$ |  | $$x\geq 150$$ |  | $$x\geq 150$$ |
| $$y\geq 150$$ |  | $$y\geq 150$$ |  | $$y\geq 150$$ |
| $$y\leq 150$$ |  | $$y\leq 150$$ |  | $$y\leq 150$$ |
| $$x\leq 150$$ |  | $$x\leq 150$$ |  | $$x\leq 150$$ |
| $$x\leq \frac{1}{2}y$$ |  | $$x\leq \frac{1}{2}y$$ |  | $$x\leq \frac{1}{2}y$$ |
| $$y\leq \frac{1}{2}x $$ |  | $$y\leq \frac{1}{2}x $$ |  | $$y\leq \frac{1}{2}x $$ |
| $$y<x$$ |  | $$y<x$$ |  | $$y<x$$ |
| $$x<y$$ |  | $$x<y$$ |  | $$x<y$$ |