Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Inequalities with Fractions and Decimals**

**Use the following words to fill in the chart below.**

is more than maximum minimum

at most not more than is less than

below is not less than above

not smaller than at least is larger than

is greater than is not greater than is smaller than

|  |  |  |  |
| --- | --- | --- | --- |
| > | $$\geq $$ | < | $$\geq $$ |
|  |  |  |  |

**Write and graph each inequality.**

1. All numbers less than 8.5 inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The maximum score she can earn on this

event is 15.1 inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. His change will be less than $5.25 inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Kyle will get at least 3$\frac{1}{2}$ stars for his performance. inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. A number that is greater than or equal to 2$\frac{1}{3}$. inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. At least 6$\frac{1}{2}$ pizzas were eaten after the party inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

was over.

1. My bank account contains more than $20.50, where b is the amount in my bank account. Graph the inequality on the number line.

inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The class must raise at least $100.50 to go on the field trip. They have collected $20.50. Write an inequality to represent the amount of money, m, the class still needs to raise. Represent this inequality on a number line.

inequality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number 8 was adapted from the 6th grade unpacked document.