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| \*Learning Target: |
| \*Critical Content: |
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| **Multiplication/Division Property of Inequalities** |
| 1) If both sides of an inequality that is \_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by a positive number, the resulting inequality is also \_\_\_\_\_\_\_\_\_\_\_\_.2) If both sides of an inequality that is \_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by a negative number, the \_\_\_\_\_\_\_\_\_\_\_\_ of the inequality sign is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make the resulting inequality \_\_\_\_\_\_\_\_\_. |
| **Examples** | Ex) Solve $\frac{r}{7}>5$ Ex) Solve $3m\geq 24$ |
|  | 1) Of the student surveyed at Madison High School, fewer than 84 said they have never purchased an item online. This is about one eighth of those surveyed. How many students were surveyed? |
|  | 2) Solve $-\frac{3}{7}r<21$ 3b) Solve $-7d\leq 147$ Ex) Solve $\frac{x}{4}>-3$ Ex) Solve $-\frac{n}{6}\leq 8$  |