

Name:  
Date:  
Period:

**Lesson 6.6**  
**Using Inverse Operations to Solve Division Problems**

Solve each equation and inequality by using inverse operations.  
Plot the answer(s) to the inequalities on a number line.

1a.  $\frac{c}{3} = 18$

1b.  $\frac{c}{3} < 18$

2a.  $\frac{d}{12} = 3$

2b.  $\frac{d}{12} > 3$

3a.  $\frac{f}{2} = 90$

3b.  $\frac{f}{2} \leq 90$

4a.  $\frac{g}{14} = 1$

4b.  $\frac{g}{14} \geq 1$

5a.  $13 = \frac{h}{4}$

5b.  $13 < \frac{h}{4}$

$$6a. \quad 76 = \frac{k}{100}$$

$$6b. \quad 76 > \frac{k}{100}$$

$$7a. \quad 66 = \frac{k}{33}$$

$$7b. \quad 66 \leq \frac{k}{33}$$

$$8a. \quad 68 = \frac{m}{17}$$

$$8b. \quad 68 \geq \frac{m}{17}$$

9. Write a math story to represent one of the equations or inequalities above. Make the story at least 6 lines long.