

## Solving Inequalities Using Multiplication & Division (Day 1)

# Homework Change: pp. 143-145 (#10-18, 20-22, 39-40)



Solve the following:

### 1) -3x = 21 2) 7x = -28 3) -8x = 72



Solve the following:

4) 
$$\frac{x}{-2} = 6$$
 5)  $\frac{x}{-9} = -3$ 

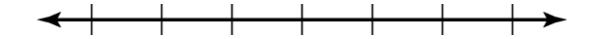


Solve the following:

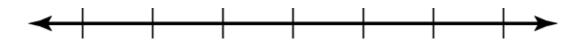
6) 
$$\frac{1}{2}x = 3$$
 7)  $\frac{3}{4}x = 21$ 



#### 8) 4x > 12

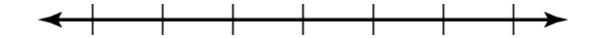


# 9) $\frac{n}{5} \le 2$



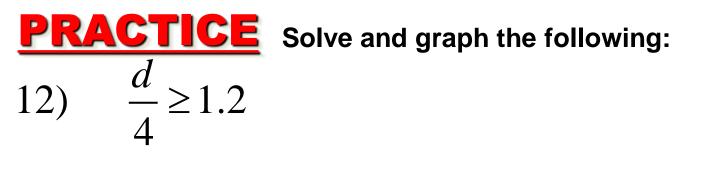


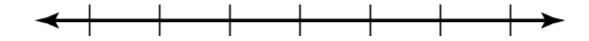
#### 10) $-28 \le 7k$



11) 
$$-3 > \frac{n}{6}$$





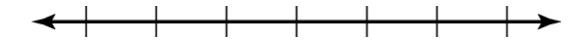


#### 13) -32 > 1.6h





$$14) \qquad \frac{1}{3}x \le 5$$



### **Word Problems**

Write the word sentence as an inequality. Then solve the inequality.

15) Five times a number is less than 15.

16) The quotient of a number and 4 at least -2.

## **Word Problems**

Write the word sentence as an inequality. Then solve the inequality.

17) The area of a rectangle is at most 72 m<sup>2</sup>. What is its width if the length is 9 m.?

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