

Translating Verbal Inequalities

Name _____

Date _____

Write each verbal expression as an inequality. Then solve the equation.

1. A number decreased by 7 is at most 13.

2. A number plus 6 is greater than 1.

3. A sum of a number and 14 is at least 28.

4. A number decreased by 5 is less than 32.

5. Twenty is no greater than the sum of a number and -4 .

6. Twice a number is more than the sum of that number and 8.

7. Which statement is modeled by $y + 6 \geq 5$?
 - A. The sum of a number and six is at least five.
 - B. The sum of a number and six is greater than five.
 - C. The sum of a number and six is at most five.
 - D. The sum of a number and six is no greater than 5.

Translating Verbal Inequalities

Name ANSWER KEY

Date _____

Write each verbal expression as an inequality. Then solve the equation.

1. A number decreased by 7 is at most 13.

$$x - 7 \leq 13$$

$$x \leq 20$$

2. A number plus 6 is greater than 1.

$$x + 6 > 1$$

$$x > -5$$

3. A sum of a number and 14 is at least 28.

$$x + 14 \geq 28$$

$$x \geq 14$$

4. A number decreased by 5 is less than 32.

$$x - 5 < 32$$

$$x < 37$$

5. Twenty is no greater than the sum of a number and -4 .

$$20 < (x + -4)$$

$$24 < x$$

$$x > 24$$

6. Twice a number is more than the sum of that number and 8.

$$2x > x + 8$$

$$x > 8$$

7. Which statement is modeled by $y + 6 \geq 5$?

A. The sum of a number and six is at least five.

B. The sum of a number and six is greater than five.

C. The sum of a number and six is at most five.

D. The sum of a number and six is no greater than 5.