

## Translating a sentence into a one-step inequality: Worksheet 2.1

Name ..... Date ..... Score .....

Translate the following sentence into a one-step inequality:

1. 9 subtracted from  $b$  is less than or equal to  $-21$
2. The product of  $x$  and 8 is greater than or equal to 24
3. The difference between  $x$  and 4 is greater than 10
4. The quotient of  $x$  and 3 is less than or equal to 7
5. 8 subtracted from  $y$  is greater than or equal to 27
6.  $x$  reduced by 17 is at least 13
7.  $x$  reduced by 5 is less than 12
8.  $x$  multiplied by 11 is less than or equal to 33.
9. The quotient of  $x$  and 4 is not less than 6
10. 13 more than  $x$  is greater than 15



## Solutions: Worksheet 2.1

1.  $b - 9 \leq -21$

2.  $8x \geq 24$

3.  $x - 4 > 10$

4.  $x/3 \leq 7$

5.  $y - 8 \geq 24$

6.  $x - 17 \geq 13$

7.  $x - 5 < 12$

8.  $11x \leq 33$

9.  $x/4 \geq 6$

10.  $x + 13 > 15$

