Name _____ Date _____

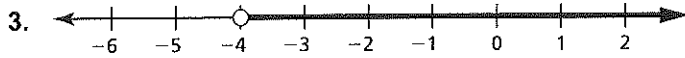**Write the sentence as an inequality.**   *Answers*

1. A number q plus 8 is less than or equal to 15.   1. _____

2. The number 20 is no less than the difference of 4 times a number c and 8.   2. _____

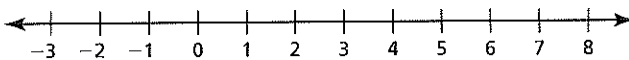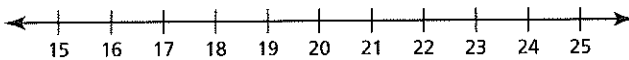**Write an inequality that represents the graph.**   3. _____

3.
```
<---+---+---o---+---+---+---+---+---+--->
    -6  -5  -4  -3  -2  -1   0   1   2
```
                                                                                 4. _____

4.
```
<---+---+---+---+---+---+---+---+---●---+--->
   -1   0   1   2   3   4   5   6   7   8   9  10
```
                                                                                 5. _____

                                                                                 6. _____

Solve the inequality.   7. _____

5. $6 + t \le 13$ 6. $m - (-4) < 8$ 8. _____

7. $6s \ge 24$ 8. $9 > \dfrac{p}{-3}$ 9. _____

                                                                                 10. _____

Solve the inequality.   11. _____

9. $5y - 4 \ge 26$ 10. $-18 < 4t + 6$ 12. _____

11. $4(4b - 6) \le 8(2b + 4)$ 12. $3(2x + 7) \le 6(x - 4)$ 13. a._____

13. Two requirements to be employed within a certain company are that you
must be at least 18 years of age and have had more than one job-related
work experience.   _____

                                                                                 See left.

   a. Write and graph two inequalities that represent the requirements.   b._____

```
<---+---+---+---+---+---+---+---+---+---+---+--->
   15  16  17  18  19  20  21  22  23  24  25
```
                                                                                 14. _____

```
<---+---+---+---+---+---+---+---+---+---+---+--->
   -3  -2  -1   0   1   2   3   4   5   6   7   8
```
                                                                                 _____

   b. You are 19 years old and have had one job-related work experience.
   Do you satisfy the requirements to apply?

14. The *American Heart Association* recommends that you consume less
than 1500 milligrams of sodium per day. Today you have already taken
in 400 milligrams of sodium. Write and solve an inequality that represents
the additional amount of sodium you can consume.