

## Indicators

### Objective:

#### 1.01 Develop number sense for negative rational numbers.

##### c) Make estimates in appropriate situations.

### Vocabulary and Resources

additive inverse

opposites

negation

integers

number line

equal

less than or equal to  $\leq$

greater than or equal to  $\geq$

compound inequality (ex.  $a < b < c$ )

ascending order

descending order

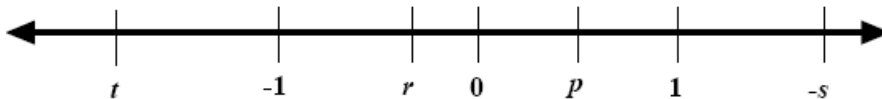
rounding

place value

benchmark values

**A.** When keeping scores in golf, reference is made to “par”, a designated number of strokes. A score of 2 under par can be written as -2 and a score of 3 over par can be written as 3. For a given round of golf, a group of six golfers had the following scores: Charlie -4, Tom 1, Frank 5, George -2, Andy 3, and Mike -1. Graph each score on a number line.

**B.**



Using the number line above, insert the symbol  $<$ ,  $>$ , or  $=$  in each of the following to make a true statement.

a.  $p$  \_\_\_\_\_  $-p$

f.  $-p$  \_\_\_\_\_  $0$

k.  $-s$  \_\_\_\_\_  $r$

b.  $t$  \_\_\_\_\_  $-t$

g.  $t$  \_\_\_\_\_  $r$

l.  $-(-s)$  \_\_\_\_\_  $r$

c.  $p$  \_\_\_\_\_  $r$

h.  $-r$  \_\_\_\_\_  $-t$

m.  $0$  \_\_\_\_\_  $-s$

d.  $-s$  \_\_\_\_\_  $p$

i.  $-p$  \_\_\_\_\_  $t$

n.  $-1$  \_\_\_\_\_  $-p$

e.  $-r$  \_\_\_\_\_  $1$

j.  $-(-s)$  \_\_\_\_\_  $s$

o.  $-r$  \_\_\_\_\_  $-s$

C. The lowest daily temperatures for the first eight days of the month were  $-10^{\circ}\text{F}$ ,  $-5^{\circ}\text{F}$ ,  $5^{\circ}\text{F}$ ,  $-13^{\circ}\text{F}$ ,  $2^{\circ}\text{F}$ ,  $22^{\circ}\text{F}$ ,  $7^{\circ}\text{F}$ , and  $-4^{\circ}\text{F}$ . Set up an appropriate scale on the number line below and graph these integers.

