

## Indicators

### Objective:

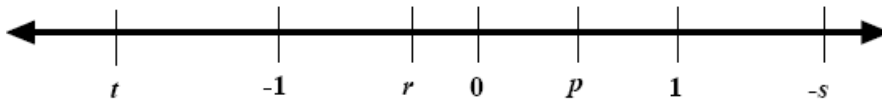
- 1.01 Develop number sense for negative rational numbers.  
b) Compare and order.

#### Vocabulary and Resources

additive inverse	greater than or equal to $\geq$
opposites	compound inequality (ex. $a < b < c$ )
negation	ascending order
integers	descending order
number line	rounding
equal	place value
less than or equal to $\leq$	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.

