

## Indicators

### Objective:

#### 5.03 Solve simple (one- and two-step) equations or inequalities.

Vocabulary and Resources		
variable	order of operations	When working with inequalities, students should be exposed to various models including a balance
additive inverse	less than $<$	
multiplicative inverse	greater than $>$	
distributive property	less than or equal to $\leq$	
equivalent expressions	greater than or equal to $\geq$	

**A.** Solve each of the following equations or inequalities:

a.  $w + 2.97 = 13.5$

e.  $0.5s \leq 64.5$

b.  $3m + 5 = 28$

f.  $12w > w + 583$

c.  $7x - 18 = 10.56$

g.  $4.8z - 9.02 \geq 8.74$

d.  $\frac{2}{3}(x + 2.5) = 18$

h.  $\frac{3}{4}t < 16.05$

**B.** Zara wants to buy her mother a birthday gift that costs \$60. She has saved \$45. Write and solve an equation to determine how much more money,  $m$ , Zara needs for the gift.

**C.** Mr. Ames rented a car from One-Stop-Rent-A-Car. They charge a daily rate of \$42 plus \$0.35 per mile. The bill for a one-day rental was \$84.70. Write and solve an equation to determine how many miles,  $m$ , Mr. Ames drove?

**D.** The charter bus company we are renting from will get us buses that seat 55 students. If there are 250 students and 9 teachers, what is the minimum number of buses we need to charter for the sixth grade trip? Write an inequality that represents this situation. What is the minimum number of buses required?

**E.** Hector wants a new CD Player and some new CDs. The best price he has found for the CD Player is \$30 and the CDs are \$15 each. What is the maximum number of CDs he could buy with \$110? Write an inequality that represents this situation.