

# Equations and Inequalities

**CA Standard**  
**KEY AF 1.1**

Ana has 20 red marbles and 16 blue marbles. Becky has 13 red marbles and 19 blue marbles. Compare the total marbles Ana and Becky have.

**Step 1**

Add Ana's marbles:

$$\begin{array}{r} 20 \\ +16 \\ \hline 36 \end{array}$$

**Step 2**

Add Becky's marbles:

$$\begin{array}{r} 13 \\ +19 \\ \hline 32 \end{array}$$

**Step 3**

Compare:

36 is more than 32.

**Solution:**  $20 + 16 > 13 + 19$ , so Ana has more marbles.

Write  $>$ ,  $<$ , or  $=$  in the  to make the number sentence true.

1.  $36 + 15$    $23 + 28$

2.  $41 + 45$    $67 + 21$

3.  $21 + 67$    $45 + 41$

Write a number in the  that makes the number sentence true.

4.  $15 + 48 > 18 +$

5.  $23 +$    $= 39 + 11$

6.   $+ 45 < 36 + 39$



**Writing Math** In your own words, tell what the signs  $>$ ,  $<$ , and  $=$  mean.

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