Name: .... Class: ....

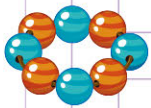## Writing equations from word problems: addition and subtraction

1. Sandra opened a box of 15 pens. She realized that there was 1 black pen amongst the blue pens in the box. She gave the black pen to her dad and kept the rest of the blue pens. Deduce an equation that can be used to find the total number of blue pens, **P**, she has.

2. Charity has 27 marbles. Her friend, Lucy gave her 23 more. Deduce an equation that can be used to find the total number of marbles, **m**, Lucy has now.

3. Yesterdaym 54 people from Mr. Adams Company had a dinner party.
   There were 33 men, and the rest were women. Deduce an equation that can be use to find the number of women, **w**, that were at the dinner party.

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Writing equations from word problems: addition and subtraction

1. Sandra opened a box of 15 pens. She realized that there was 1 black pen amongst the blue pens in the box. She gave the black pen to her dad and kept the rest of the blue pens. Deduce an equation that can be used to find the total number of blue pens, **P**, she has.

   Let's first of all try to interpret the question.
   Sandra opened a box of 15 pens and gave 1 that was black to her father.
   So, the equation is **15 – 1 = P**

   Therefore, 15 – 1 = P represents the number of blue pens, P, Sandra has.

2. Charity has 27 marbles. Her friend, Lucy gave her 23 more. Deduce an equation that can be used to find the total number of marbles, **m**, Lucy has now.
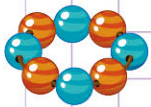
   Let's try to interpret the question.
   If Lucy has 27 marbles and her friend Lucy gave her 23 more,
   it means that we must add the 27 and 23 to find m
   So, 27 + 23 = m

   Therefore, 27 + 23 = m represents the total number of marbles, m, Lucy has now.

3. Yesterdaym 54 people from Mr. Adams Company had a dinner party.
   There were 33 men, and the rest were women. Deduce an equation that can be use to find the number of women, **w**, that were at the dinner party.

   Let's first of all try to interpret the question.
   If 54 people attended the party and 33 were men,
   then we need to subtract 33 from 54 to find w.
   So, the equation is **54 – 33 = w**

   Therefore, 54 – 33 = w represents the number of women, w, that were at the dinner party.