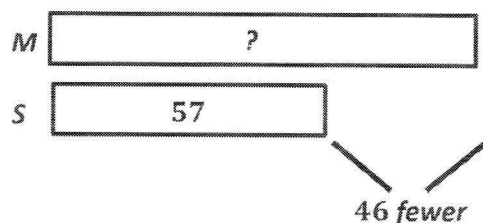## G2-M4-Lesson 31

Solve the following word problems by drawing a tape diagram. Then, use any strategy that you've learned to solve.

Sandra has 46 fewer coins than Martha. Sandra has 57 coins.

a. How many coins does Martha have?

M | ? |

S | 57 |

46 *fewer*

> I use the RDW process to solve. A tape diagram helps me see the parts I know. I know that Sandra has 46 fewer coins than Martha, so that means Martha has more coins, 46 more. I add to find the number of coins Martha has.

$57 + 46 = ?$

3   43

> I use a number bond and the make ten strategy to solve!
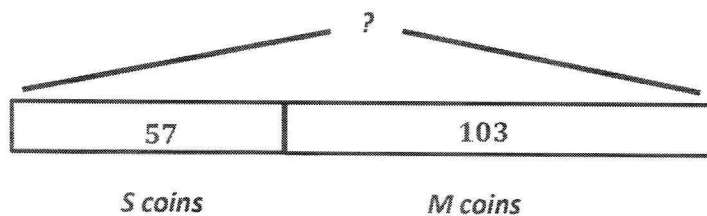
$57 + 3 = 60$
$60 + 43 = 103$

Martha has 103 coins.

b. How many coins do Sandra and Martha have together?

?

| 57 | 103 |

S coins   *M coins*

> From Part (a), I know that Martha has 103 coins. I add them to Sandra's 57 coins to get 160 coins all together.

$57 + 103 = ?$
$57 + 100 + 3 = ?$
$60 + 100 = 160$

Sandra and Martha have 160 coins together.

> I break 103 into $100 + 3$ and then add the 3 to 57 to make the friendly number 60. Now, this problem is easy: $60 + 100 = 160$.