G2-M4-Lesson 16

Solve the following word problems. Use the RDW process.

1. Audrey put 56 beads on a necklace. Some beads fell off, but she still has 28 left. How many beads fell off?

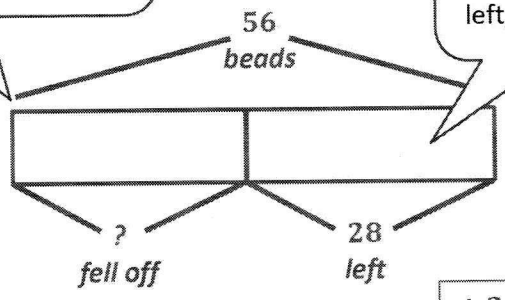
I can draw a single bar to show the total number of beads, 56.

The problem tells me how many beads Audrey has left, 28.

When I know the whole and one part, I have to find the missing part. I can either subtract or count on to find the answer.

$56 - 28 = \_\_\_\_$ or

$28 + \_\_\_\_ = 56.$



$56 - 28 = \_\_\_\_$

+2	56

+2	28

$56 + 2 = 58$

$28 + 2 = 30$

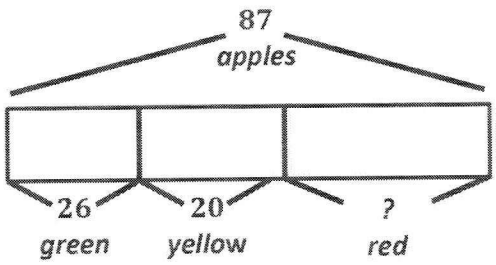
$58 - 30 = 28$

28 beads fell off.

One part of that total fell off, but I don't know how many, so I label that with a question mark.

I can solve whichever way is easiest for me! It's easy to subtract friendly numbers, and I notice that 28 is close to 30. I can add 2 to 28 to get 30. And I have to do the same thing to the other number, so I add 2 to 56. My new easier equation is $58 - 30 = 28$.

2. Farmer Ben picks 87 apples. 26 apples are green, 20 are yellow, and the rest are red. How many apples are red?



$26 + 20 = 46$

$87 - 46 = 41$

41 apples are red.

I add the parts I know.

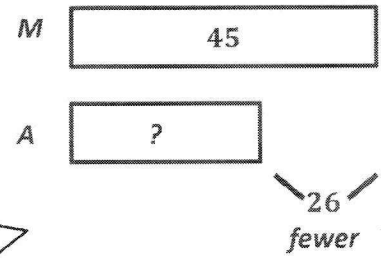
Then I subtract. I can solve mentally. 8 tens − 4 tens is 4 tens. 7 ones − 6 ones is 1 one. 4 tens 1 one is 41.

3. Ava planted 45 flowers in the morning. She planted 26 fewer flowers in the afternoon. How many flowers did she plant altogether?

I draw and label how many flowers Ava planted in the morning.

But I do know how many fewer she planted in the afternoon, so I can label this space.

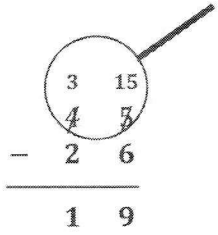
I know she planted fewer flowers in the afternoon, but I don't know how many, so I draw a shorter bar and label it with a question mark.

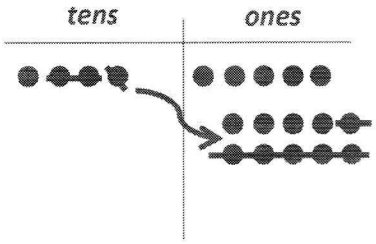


To find how many flowers Ava planted in the afternoon, I can subtract the part, 26, from the whole, 45.

$45 - 26 = \_\_\_\_$

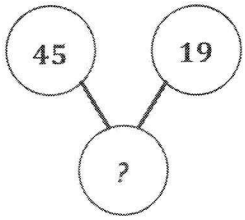
I can use the chip model and vertical form to solve.





Ava planted 19 flowers in the afternoon.

To find out how many flowers Ava planted altogether, I add the parts, 45 and 19.



I can use another model to show my work. The number bond shows that I know the two parts. I need to find the whole.

$45 + 19 = \underline{64}$

$44 \quad 1$

I can use the make ten strategy because 19 is close to 20. I break apart 45 into 44 and 1. Then it's easy!

$44 + 20 = 64$, so $45 + 19 = 64$.

Ava planted 64 flowers altogether.