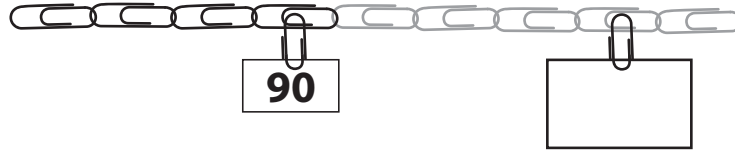




More Broken Chains page 1 of 2

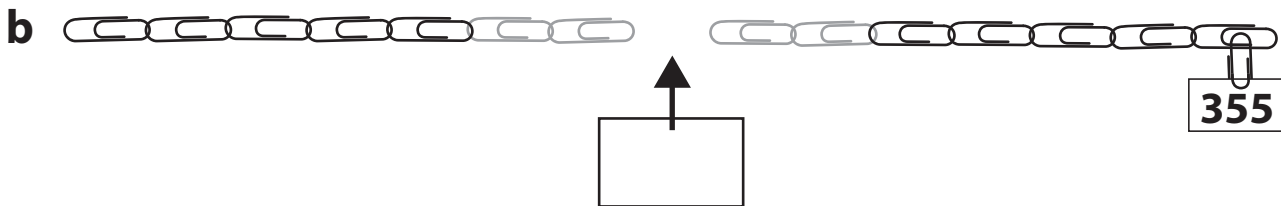
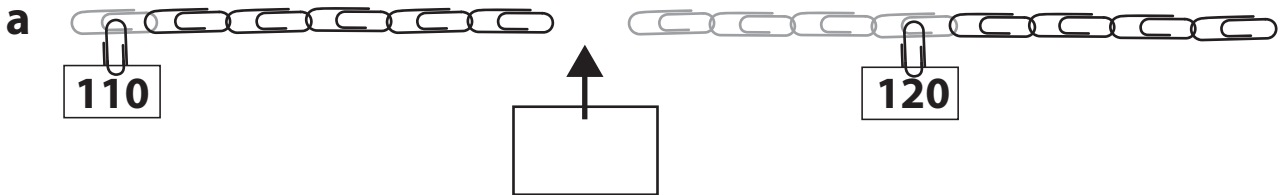
- 1** Oh no! Our chain of paperclips broke! This is all we have left! Write the number on the blank card to show which clip is marked.



- 2** Here is another part of the chain. Write the numbers on the blank cards to show which clips are marked.



- 3** There is one paperclip missing in each of these chains. Write the number in the box to show which one it is.



- 4** Use this chain to answer the questions below.

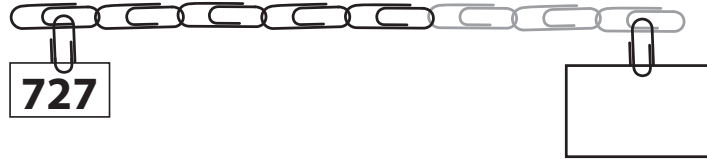


- a** If you added 10 more clips to the end of the chain marked 103, what number would you use to label the paperclip? _____
- b** If you went backward 10 clips from the end of the chain marked 94, what number would you use to label the paperclip? _____

(continued on next page)

More Broken Chains page 2 of 2

- 5** Fill in the blank box at the end of this chain to show which clip is marked. Then use the chain to answer the questions below.



- a** If you added 100 more clips to the end of the chain you just marked, what number would you use to label the paperclip? _____
- b** If you went backward 100 clips from the end of the chain marked 727, what number would you use to label the paperclip? _____
- 6** **CHALLENGE** The kids are trying to put all the pieces back together to make a chain of 1,000 paperclips. They added another section of 225 clips to the chain below. Did they reach 1,000? If not, how many more clips would they need to get to 1,000? Show all of your work.

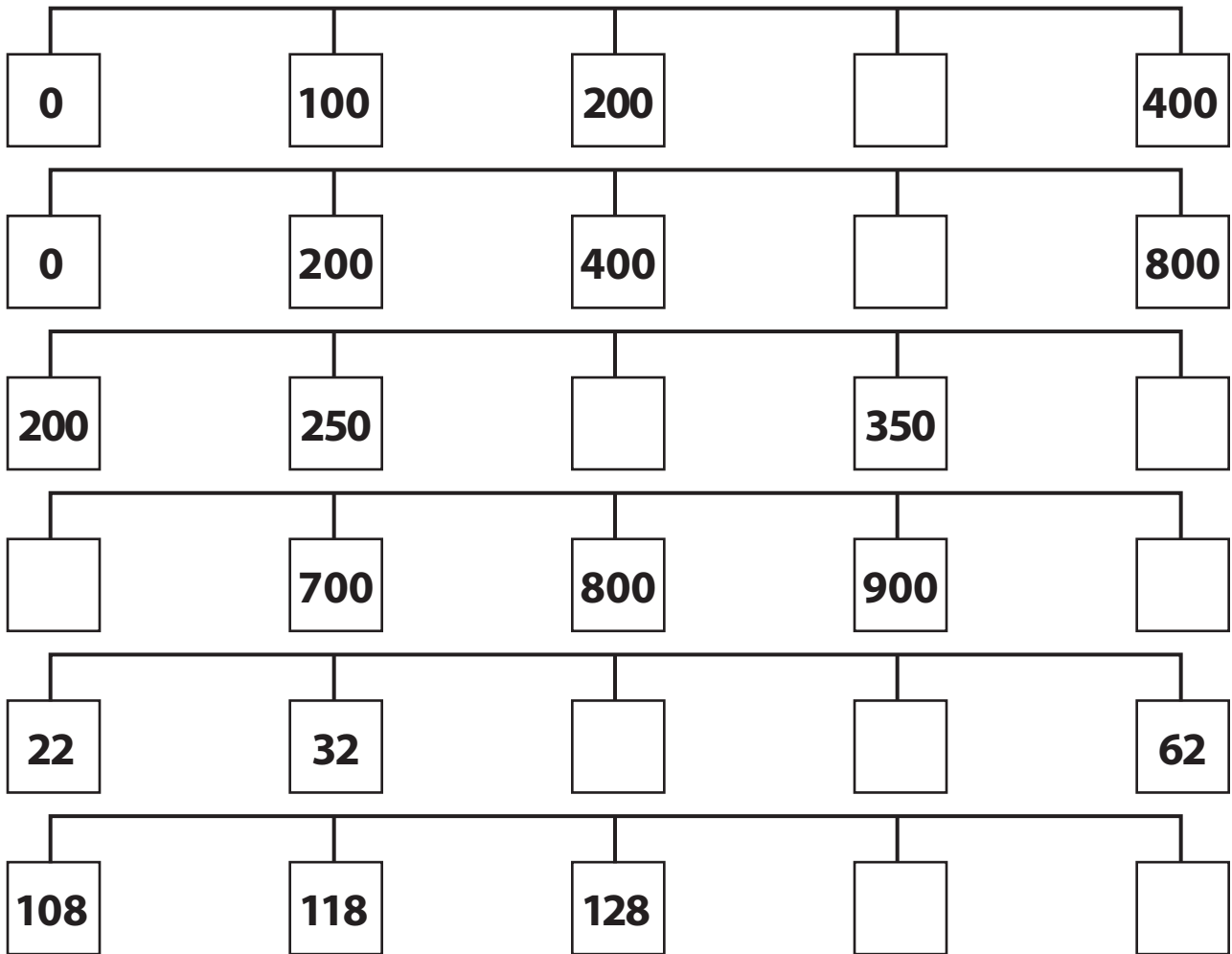




Bird's Eye View page 1 of 4

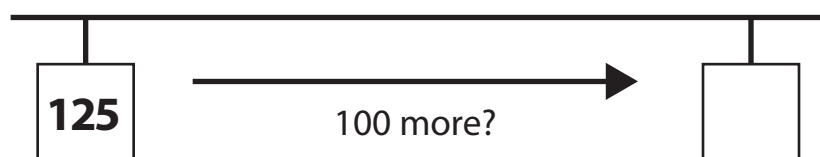
Imagine that you are looking at a chain of 1,000 paperclips from the top of a very high tree. You can see the labels on the chain but not the paperclips.

1 Fill in the missing numbers on these chains.



2 Now imagine that your friend is down on the ground counting the paperclips in the chain. Right now, he is at paperclip number 125. Fill in the boxes below to show where he would be if...

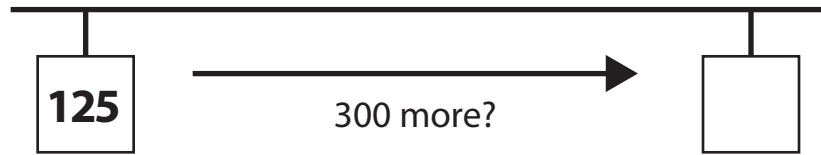
a He counted 100 more paperclips.



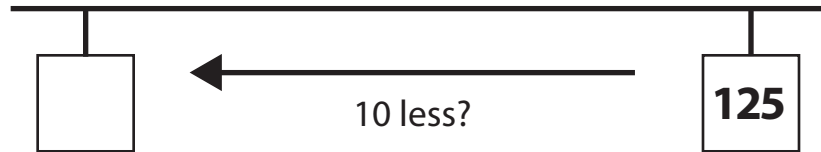
(continued on next page)

Bird's Eye View page 2 of 4

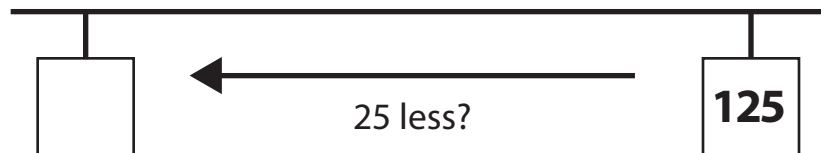
b He counted 300 more paperclips.



c He counted back 10 paperclips.



d He counted back 25 paperclips.

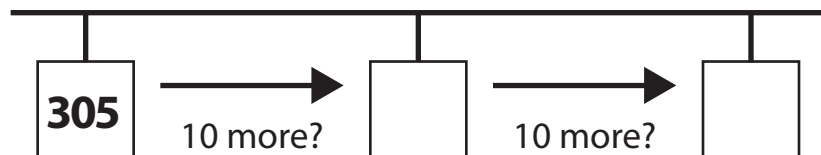


3 Now your friend is at paperclip number 305. Fill in the boxes below to show where he would be if...

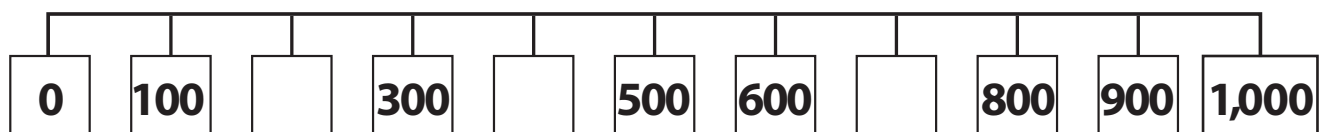
a He counted 100 more paperclips.



b He counted 10 more paperclips and then 10 more paperclips after that?



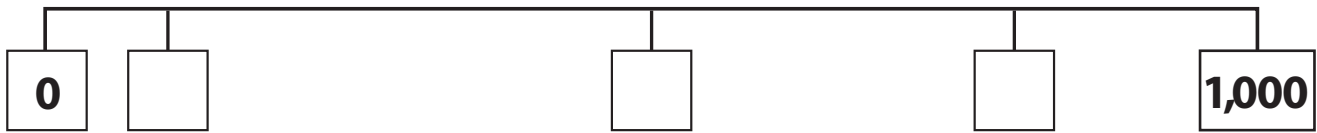
4 Here is a picture of a paperclip chain from 0 to 1,000. Fill in the missing numbers.



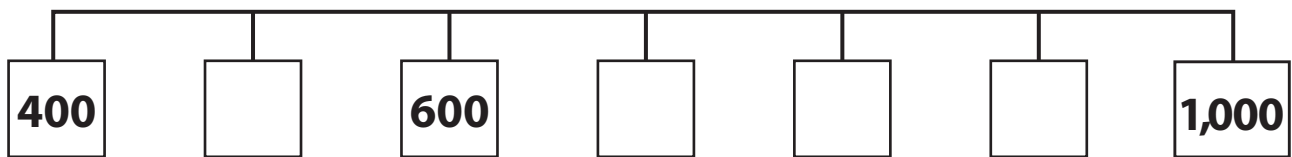
(continued on next page)

Bird's Eye View page 3 of 4

- 5** Here is a picture of a paperclip chain from 0 to 1,000. Write the numbers 500, 800, and 100 in the boxes where they belong.



- 6** Here is a picture of a paperclip chain from 400 to 1,000. Write the numbers 900, 700, 800, and 500 in the boxes where they belong.



- 7 CHALLENGE** Mark and label each of the number lines below with the numbers listed in the boxes.

a**300****250****350****200****400****b****225****250****275****200****300***(continued on next page)*

Bird's Eye View page 4 of 4

8 CHALLENGE Fill in the missing numbers on the number lines below.

