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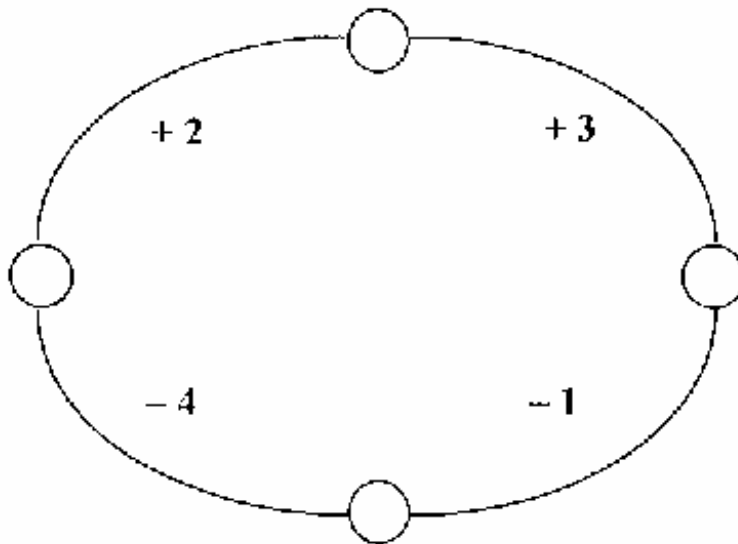
Addition Rings

Here is a special kind of number ring. Any number you put into one of the circles gets changed as it goes around the ring.

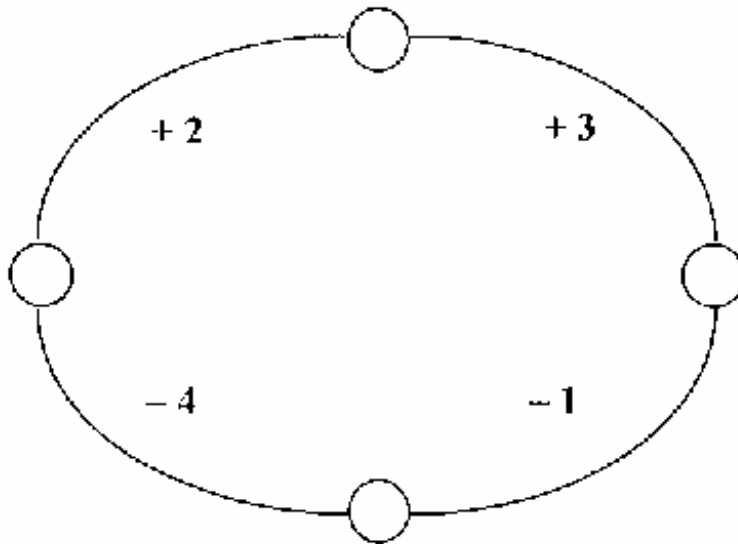
1. Try this ring. Put a number into the top circle and follow around the ring, adding and subtracting as you go.

Write your final answer above the number you started with.

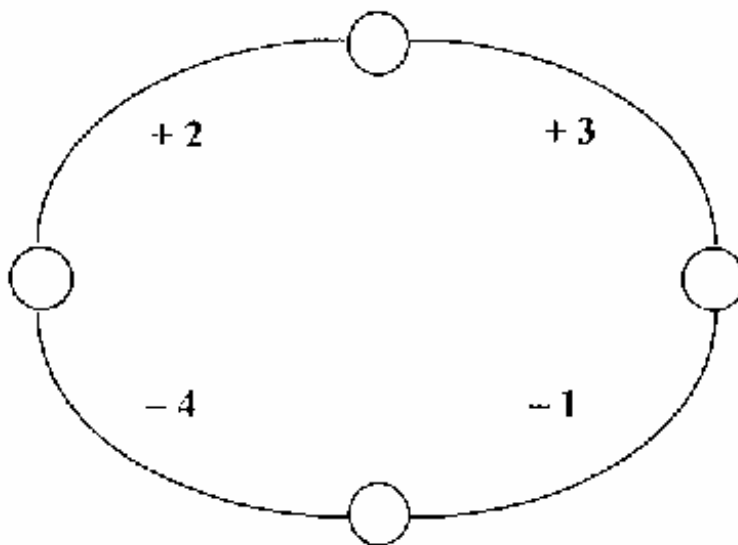
Describe in words what happened.



2. Try this again with another number. What is the result?



3. Try the ring again, but this time put a number into the **bottom** circle and follow around the ring. What is the result when you get back to your starting point?



4. Explain in words why you think you got these results.

5. Design your own number ring, using **different numbers and different addition and subtraction instructions**. Make sure that your ring works out the same way as the original did.