

## Math Strategies for Adding Larger Numbers

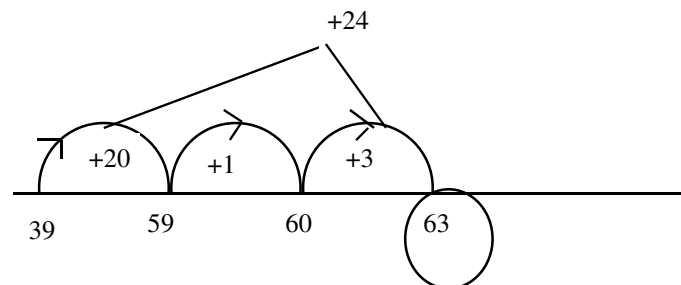
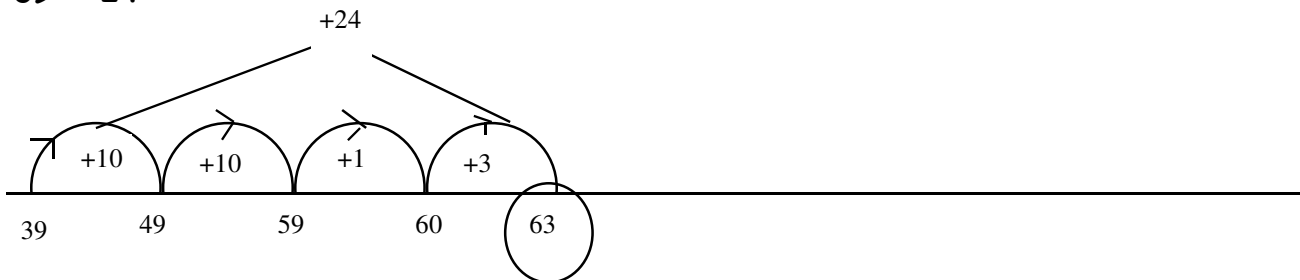
Mathematicians ALWAYS look at the numbers first before they decide which strategy would be best!

We decided it would be easier if we ALWAYS begin with the largest number first!

### Using a Numberline and Adding Friendly Numbers

(add using biggest chunks you can to make it faster)

$$39 + 24$$



### Starting with a Friendly Number (change one number, change the other to make it easier to add.)

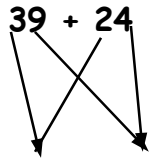
$$\begin{array}{r} +1 \quad \curvearrowright \quad -1 \\ 39 + 24 \\ \swarrow \quad \searrow \\ 40 + 23 = 63 \end{array}$$

You could then show this on a numberline.

$$\begin{array}{r} -2 \quad \curvearrowright \quad +2 \\ \cancel{52} + \cancel{48} \end{array}$$

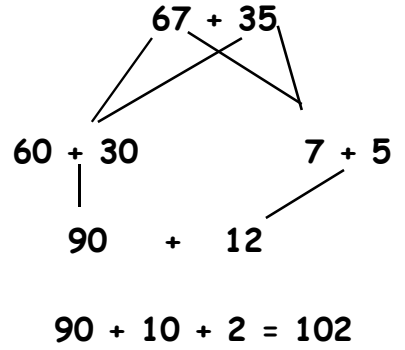
$$50 + 50 = 100$$

### Adding Tens then Adding Ones



$$50 + 13 = 63$$

You could then show a number line.



### Standard Algorithm

$$\begin{array}{r} 1 \\ 39 \\ + 24 \\ \hline 63 \end{array}$$

Or

### Beginning stages of Standard Algorithm

Add ones, then add tens, then add both

$$\begin{array}{r} 39 \\ + 24 \\ \hline 13 \\ \hline 50 \\ \hline 63 \end{array}$$

Added ones (9+4)  
Added tens (30+20)  
Added both together