



Mathematical Thinking
Strategy:
Arrow Way

The Way

- A visual strategy used to solve addition or subtraction by breaking the addend or subtrahend into **PARTS!**

Addition

ooo

I don't have to add all at once! I can do it in parts!

starting # \rightarrow $\boxed{37} + 40$

$$37 \xrightarrow{+10} 47 \xrightarrow{+10} 57 \xrightarrow{+10} 67 \xrightarrow{+10} \boxed{77}$$
$$37 + 40 = 77$$

* Quicker Jumps:

starting # \rightarrow $\boxed{37} + 41$

$$37 \xrightarrow{+20} 57 \xrightarrow{+20} 77 \xrightarrow{+1} \boxed{78}$$
$$37 + 42 = 78$$

Subtraction

ooo

I can use this for subtraction by counting forward.

starting # \rightarrow $\boxed{94} - 41$

$$94 \xrightarrow{-10} 84 \xrightarrow{-10} 74 \xrightarrow{-10} 64 \xrightarrow{-10} 54 \xrightarrow{-1} \boxed{53}$$
$$94 - 41 = 53$$

* Quicker Jumps:

starting # \rightarrow $\boxed{94} - 43$

$$94 \xrightarrow{-20} 74 \xrightarrow{-20} 54 \xrightarrow{-3} \boxed{51}$$
$$94 - 43 = 51$$



**Try to work through the
examples on the next slide.**

The Way

Guided Practice:

Addition: $42 + 20$

Subtraction: $26 - 13$

Independent:

$63 + 30$

$76 - 52$



Ready to check your work!

B

The Way

Guided Practice:

Addition: $\boxed{42} + 20$

$$42 \xrightarrow{+10} 52 \xrightarrow{+10} \textcircled{62}$$

Subtraction: $26 - 13$

$$\boxed{26} \xrightarrow{-10} 16 \xrightarrow{-3} \textcircled{13}$$

Independent:

$$\boxed{63} + 30$$

$$63 \xrightarrow{+10} 73 \xrightarrow{+10} 83 \xrightarrow{+10} \textcircled{93}$$

$$76 - 52$$

$$\boxed{76} \xrightarrow{-10} 66 \xrightarrow{-10} 56 \xrightarrow{-10} 46 \xrightarrow{-10} 36 \xrightarrow{-10} 26 \xrightarrow{-2} \textcircled{24}$$