

# SUBTRACTION STRATEGIES

### USE A KNOWN FACT

**FACT**  $8 - 5 = 3$   
 SO  
 $68 - 5 = 63$

### Think Doubles to Subtract

$40 - 20$   $60 - 30$   
 $48 - 24$

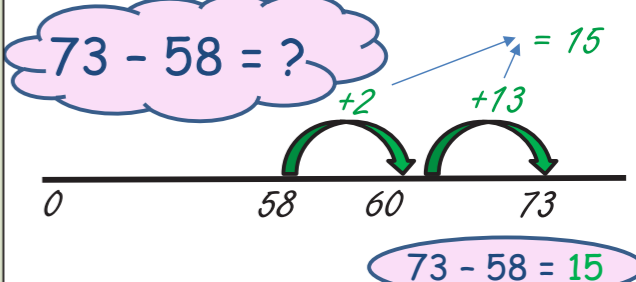
### Near Double

$60 - 31$   $32 - 15$   
 $220 - 111$   
 $84 - 43$




### Add-Up-to-Subtract!

$73 - 58 = ?$




$73 - 58 = 15$


Partition through the decuple	Bridge the decuple
$42 - 7$ $= 42 - (2 - 5)$ $= 35$	 $234 - 8$ $= 234 - (4 - 4)$ $= 226$

### Think 10 to subtract 9

$57 - 9$   
 $57 - 10 + 1$



### Compensation



$67 - 25 = 70 - 25 - 3 = 42$

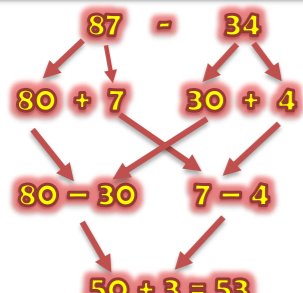
### Jump Strategy

$76 - 23 = 76 - 10 - 10 - 3 = 53$




### Split Strategy

$87 - 34$



### BAR MODEL IT!


87



$87 - \square = 39$

### Transformation

$73 - 27$   
 $(-3) (-3)$   
 Change it to  
 $70 - 24 = 46$



### Chimney Sum

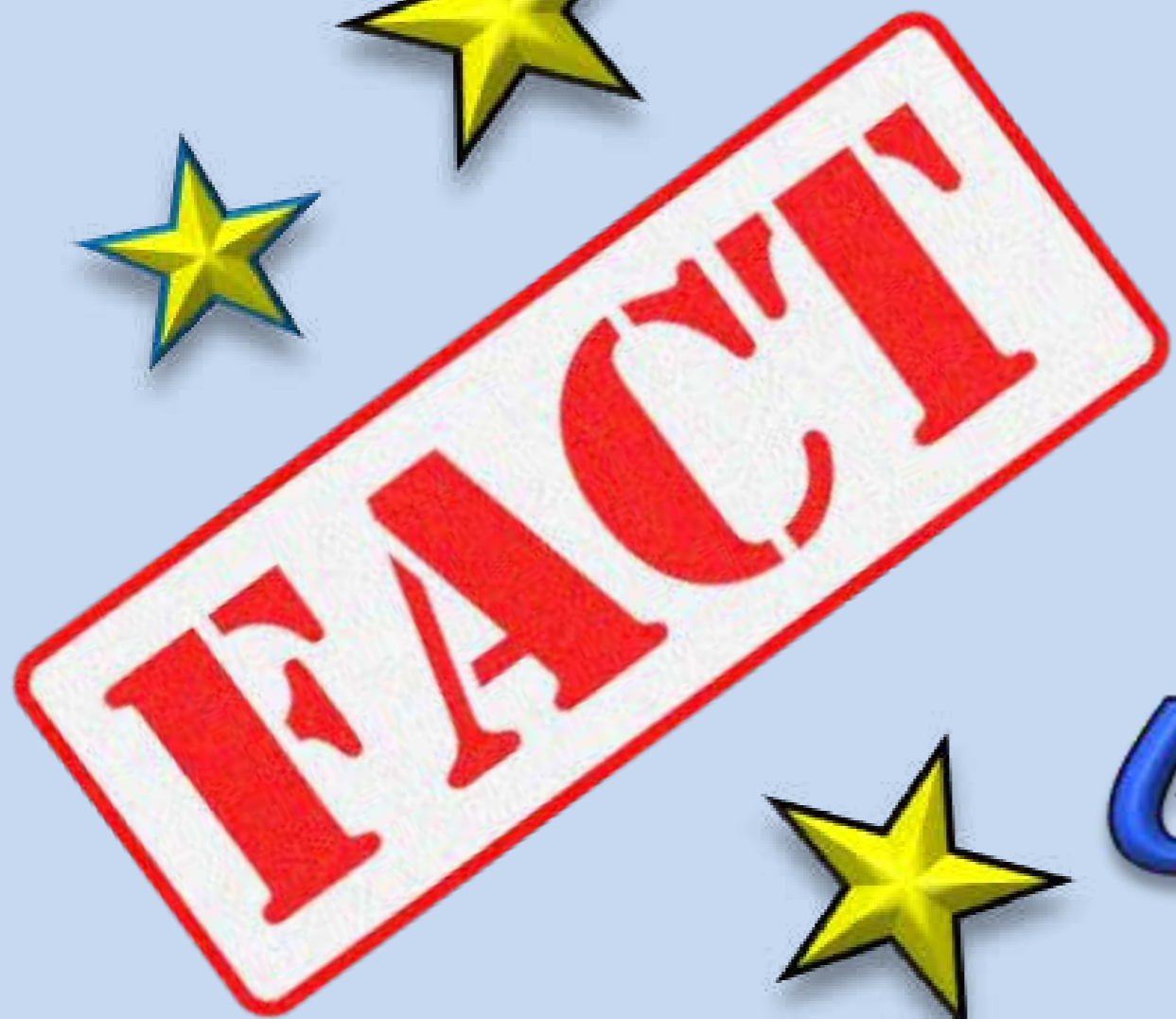


# USE A KNOWN FACT

$$8 - 5 = 3$$

so

$$68 - 5 = 63$$



Think Doubles  
to Subtract

$40 - 20$



$60 - 30$

$48 - 24$

# Near Double

$60 - 31$

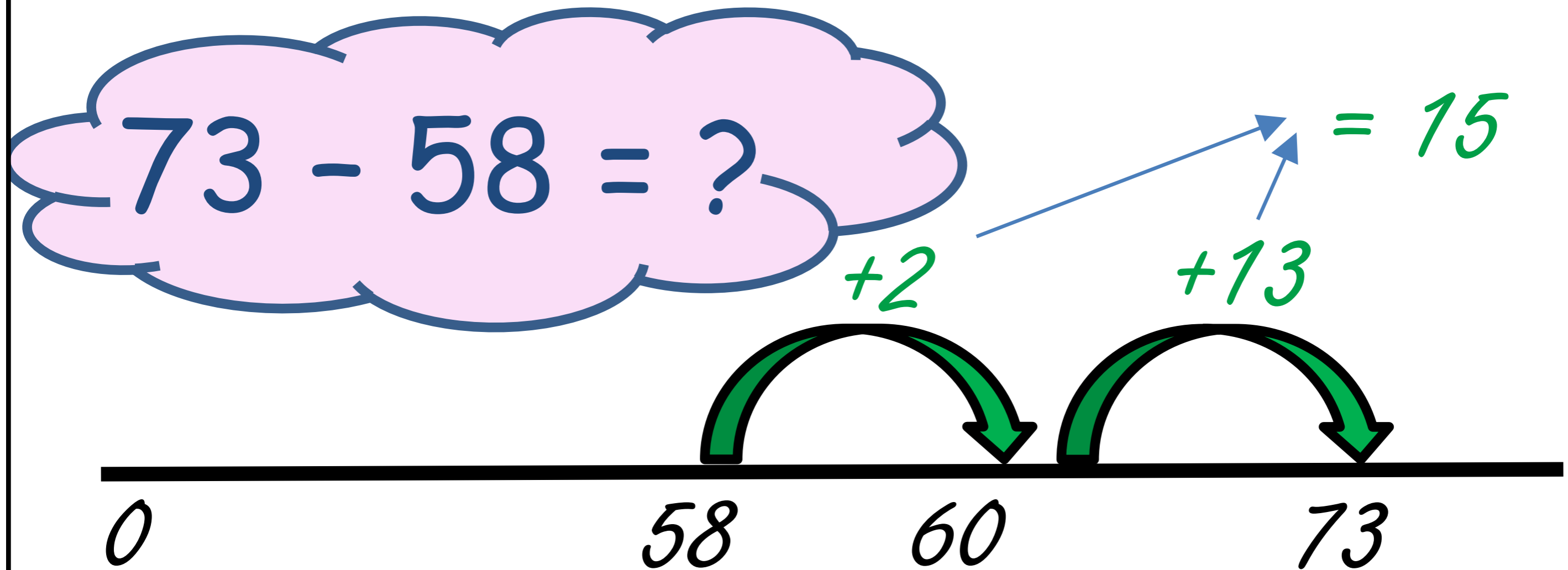
$32 - 15$

$220 - 111$

$84 - 43$



# Add-Up-to-Subtract!



$$73 - 48 = 15$$

# Partition through the decuple

$$\begin{aligned} & 42 - 7 \\ &= 42 - (2 - 5) \\ &= 35 \end{aligned}$$

# Bridge the decuple



$$\begin{aligned} & 234 - 8 \\ &= 234 - (4 - 4) \\ &= 226 \end{aligned}$$

# Think 10 to subtract 9



$$57 - 9$$

$$57 - 10 + 1$$

# Compensation

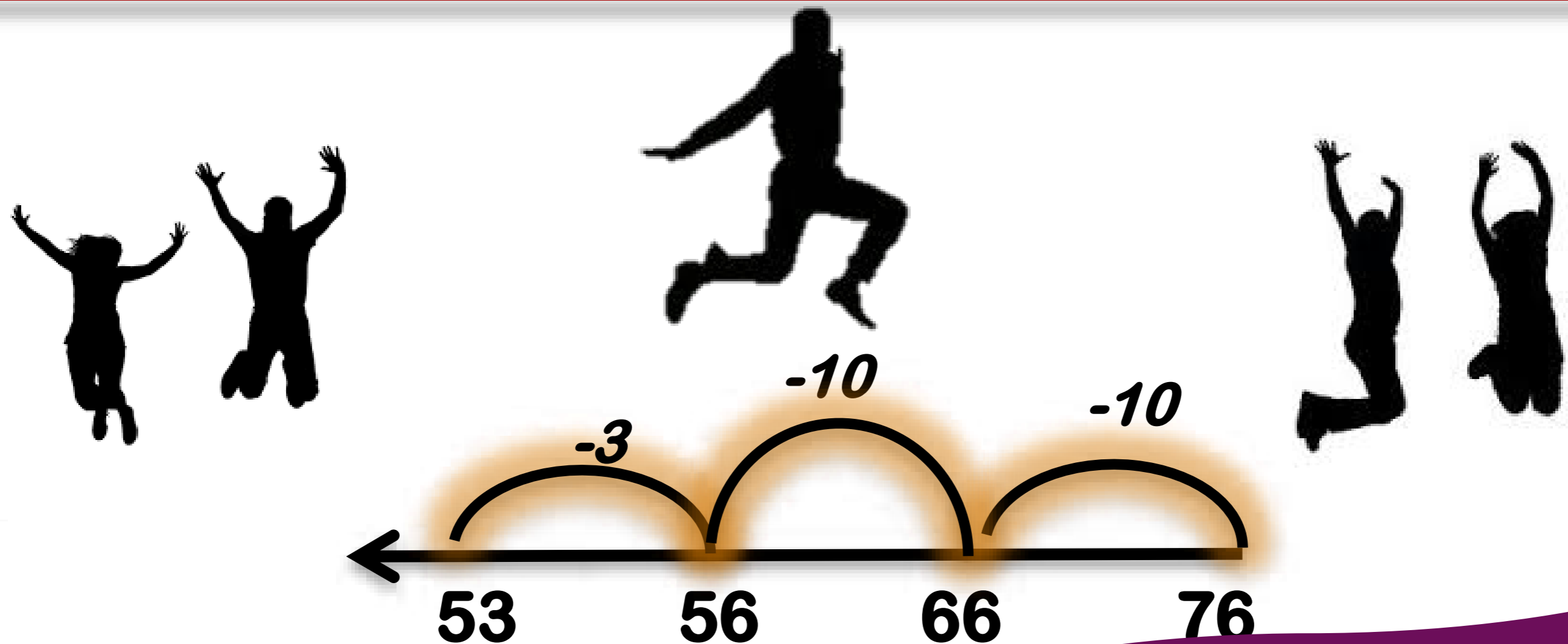


$$67 - 25 = 70 - 25 - 3 = 42$$

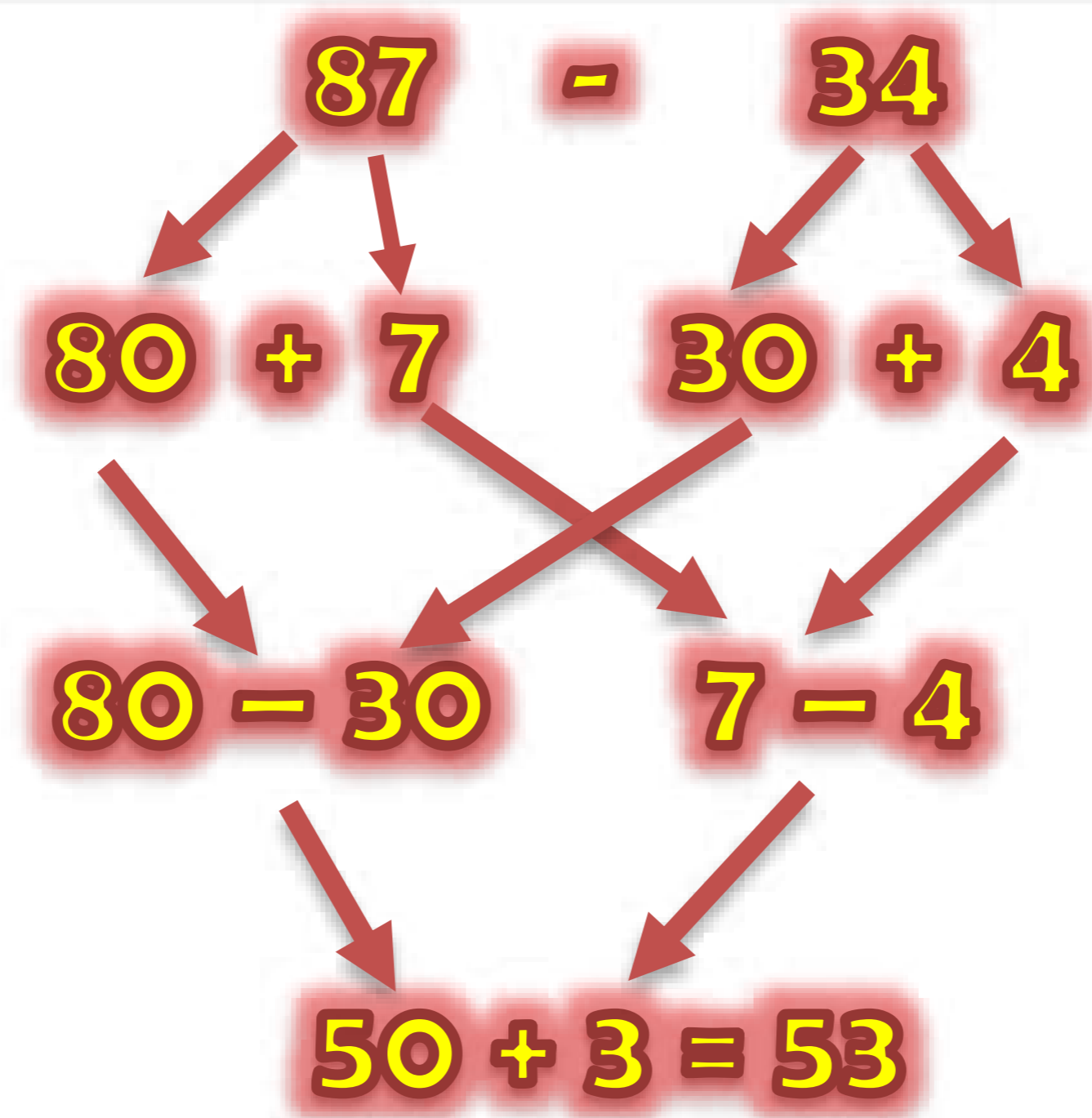


# Jump Strategy

$$76 - 23 = 76 - 10 - 10 - 3 = 53$$



# Split Strategy



# BAR MODEL IT!

87



$$87 - \square = 39$$

# Transformation

$$73 - 27$$

$$(-3) \quad (-3)$$

*Change it to*

$$70 - 24 = 46$$



# Chimney Sum



$$\begin{array}{r} 6713 \\ - 56 \\ \hline 17 \end{array}$$

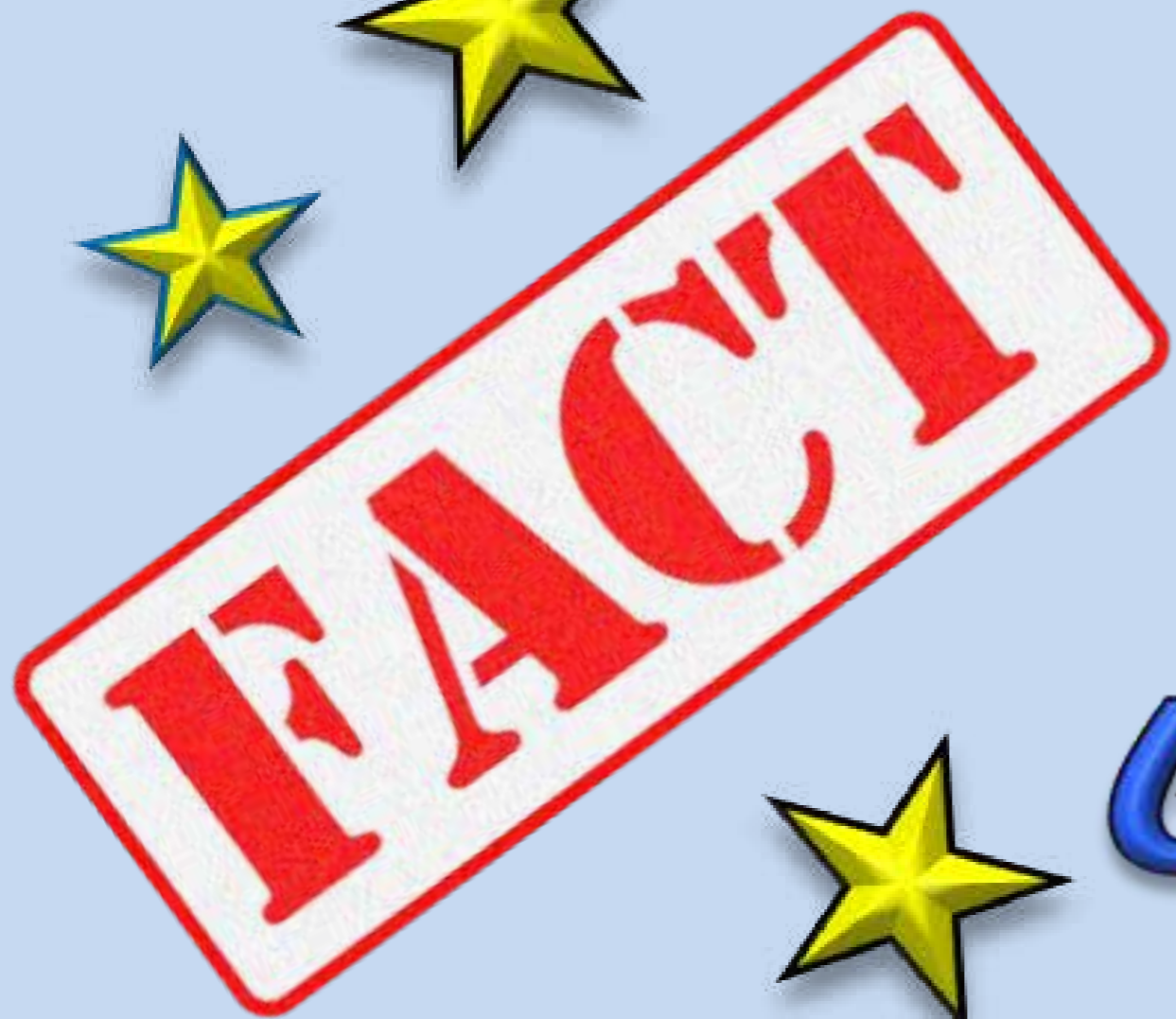
$$\begin{array}{r} 47812 \\ - 167 \\ \hline 315 \end{array}$$

# USE A KNOWN FACT

$$8 - 5 = 3$$

so

$$68 - 5 = 63$$



Think Doubles  
to Subtract

$40 - 20$



$60 - 30$

$48 - 24$

# Near Double

$$60 - 31$$

$$32 - 15$$

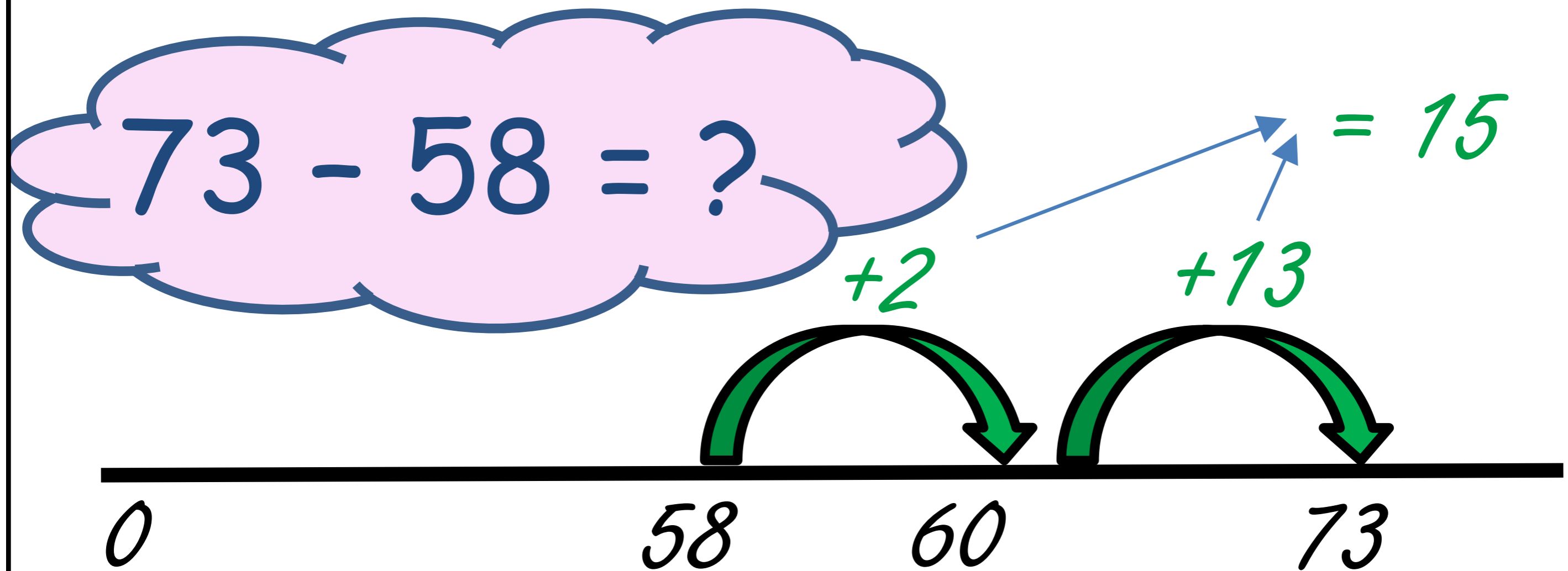
$$220 - 111$$

$$84 - 43$$





# Add-Up-to-Subtract!



$73 - 48 = 15$

# Partition through the decuple

$$\begin{aligned} & 42 - 7 \\ &= 42 - (2 - 5) \\ &= 35 \end{aligned}$$

# Bridge the decuple



$$\begin{aligned} & 234 - 8 \\ &= 234 - (4 - 4) \\ &= 226 \end{aligned}$$

# Think 10 to subtract 9



$$57 - 9$$

$$57 - 10 + 1$$

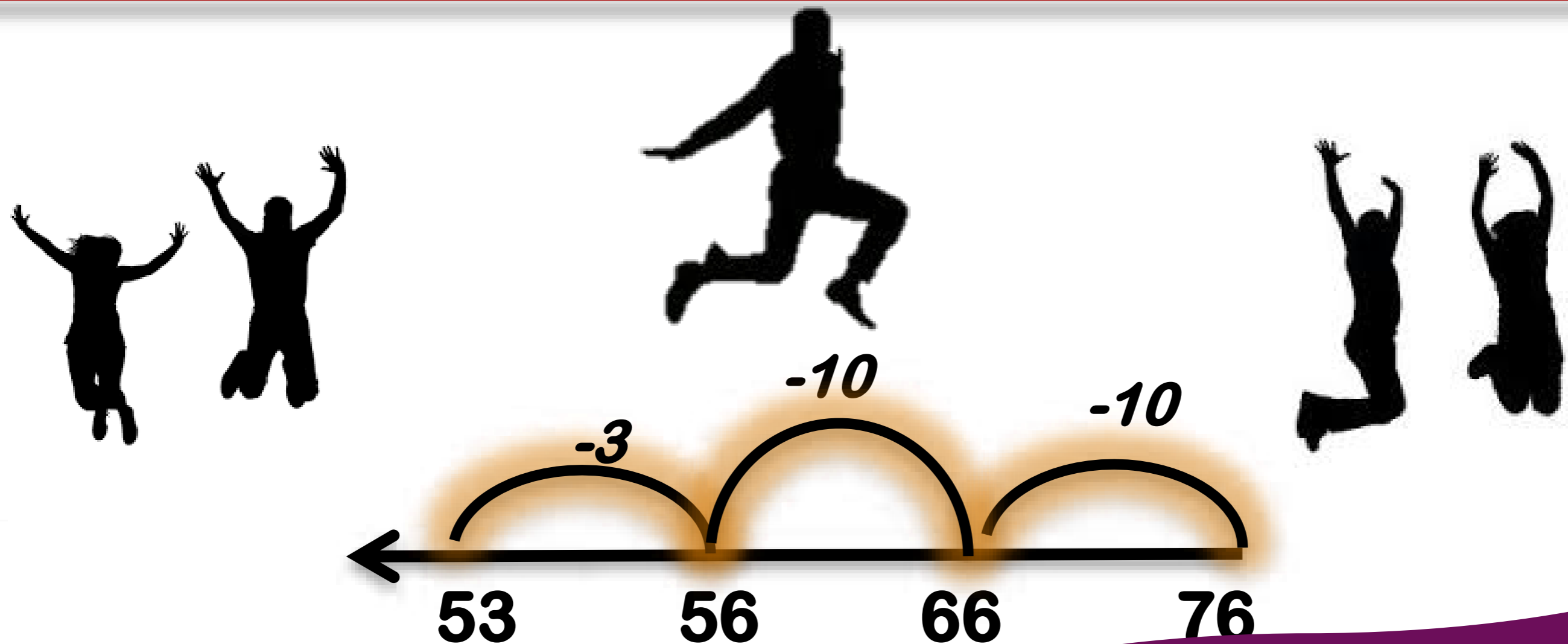
# Compensation



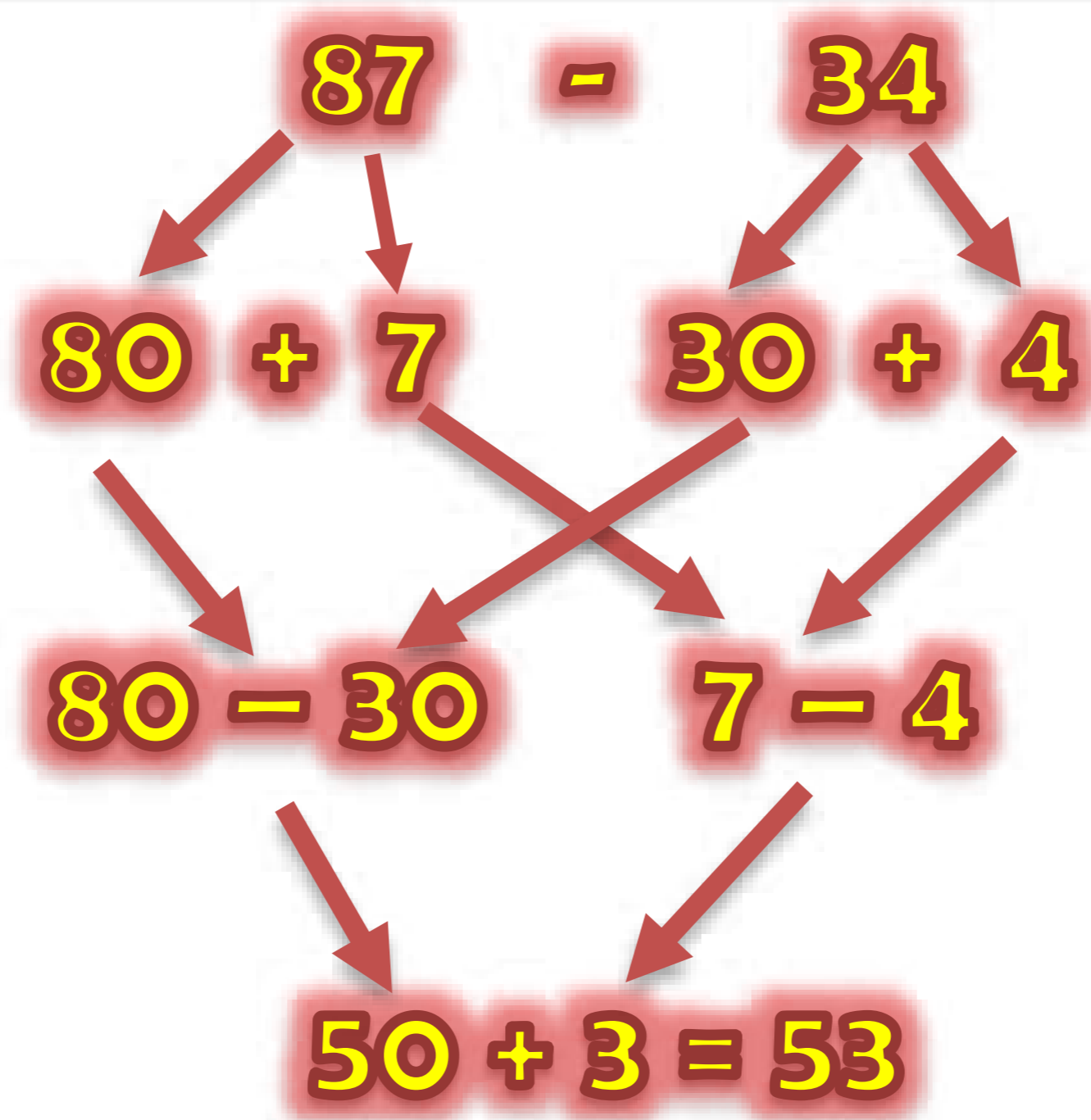
$$67 - 25 = 70 - 25 - 3 = 42$$

# Jump Strategy

$$76 - 23 = 76 - 10 - 10 - 3 = 53$$



# Split Strategy



# BAR MODEL IT!

87



$$87 - \square = 39$$

# Transformation

$$73 - 27$$

$$(-3) \quad (-3)$$

*Change it to*

$$70 - 24 = 46$$





# Chimney Sum



$$\begin{array}{r} 6713 \\ - 56 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 47812 \\ - 167 \\ \hline 315 \end{array}$$