



Double Digit Subtraction At Home

**Non-Standard and Standard Methods
No Borrowing**

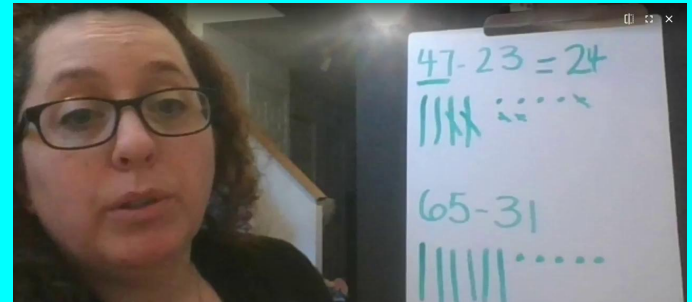
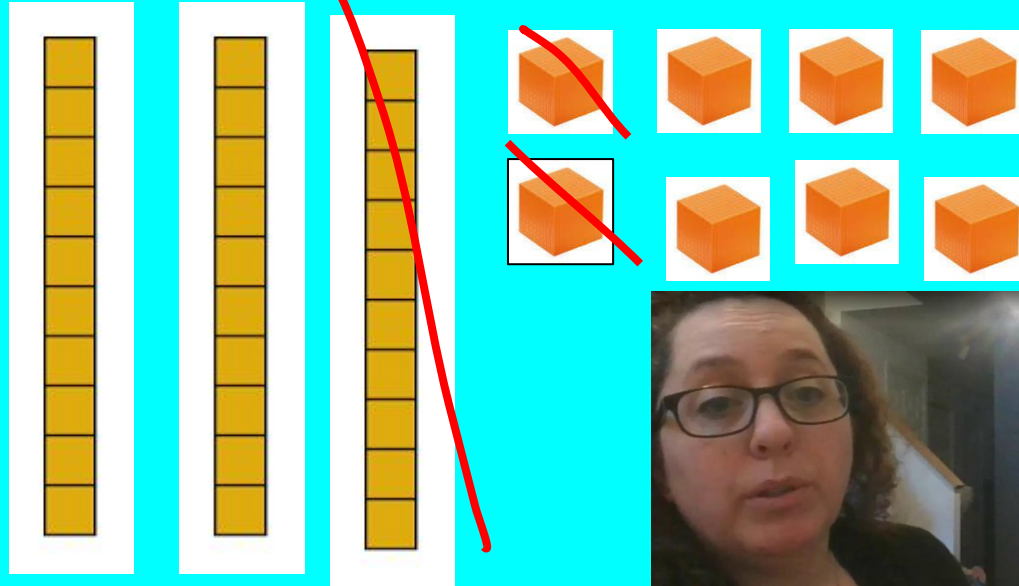
Base Ten Strategy

Draw only the larger number using pictures of base ten blocks.

$$38 - 12 = 26$$

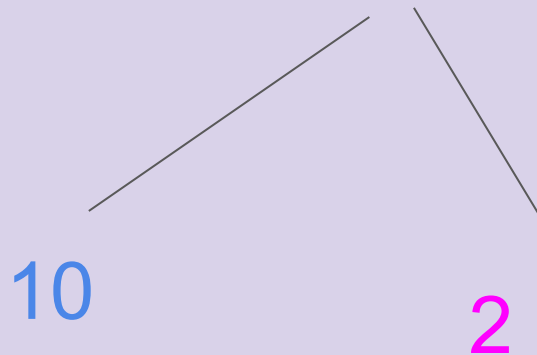
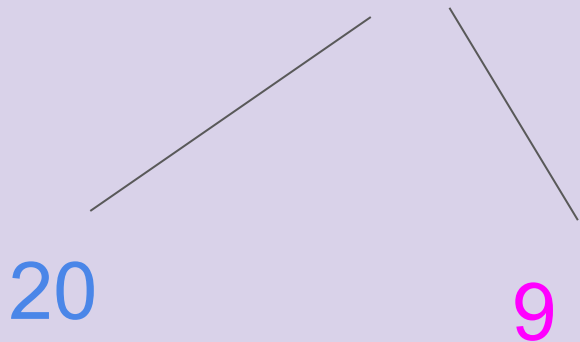
In this example, cross out 1 group of ten and 2 ones as that what makes up the number 12.

Go back and count what is leftover.



Part Part Whole Strategy

$$29 - 12 = 17$$



$$20 - 10 = 10$$

Tens

and

$$9 - 2 = 7$$

Ones

The last step would be to add $10 + 7$, which makes 17.

Part Part Whole Tutorial

The whiteboard shows the following work:

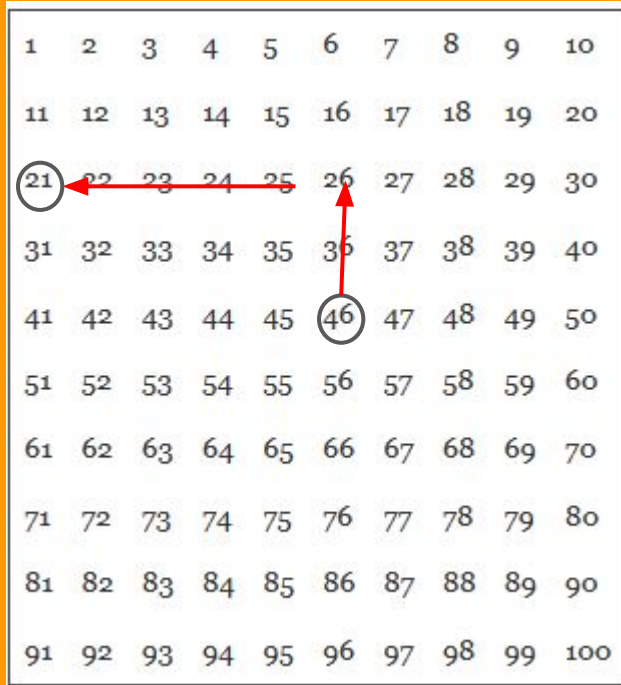
$$38 - 16 = 24$$

38 is decomposed into 30 and 8. 16 is decomposed into 10 and 6. The partial differences are $30 - 10 = 20$ and $8 - 6 = 2$. The final sum is $20 + 2 = 22$.

$$67 - 42 = 25$$

67 is decomposed into 60 and 7. 42 is decomposed into 40 and 2. The partial differences are $60 - 40 = 20$ and $7 - 2 = 5$. The final sum is $20 + 5 = 25$.

Hundreds Chart Strategy



$$46 - 25 = 21$$

Subtracting with a hundreds chart is the same as adding, however, you are moving backwards and not forwards. You would go up 2 rows for the 2 groups of ten and over to the left, 5 times.

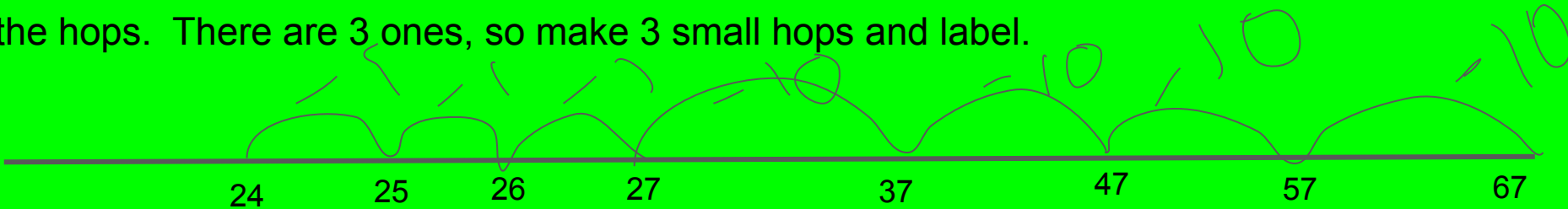
Counting Back on an Open Number Line Strategy

$$67 - 43 = 24$$

Start with a line and put the larger number on the **right** side of the line.

67

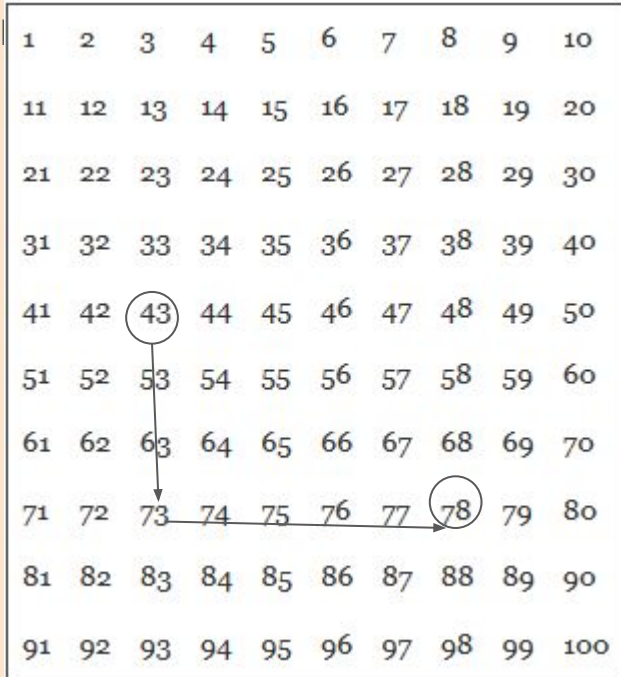
Look at the second number, 43. Since there are 4 tens, draw four large hops of 10. Label the hops. There are 3 ones, so make 3 small hops and label.



Skip count backwards by ten, 4 times, and label. Skip count backwards by one, 3 times, and label.

$$67 - 43 = 24$$

Subtraction By Adding 78 - 43



I can subtract by adding. I start at the smaller number and then add up until I reach the larger number. For example, start at the number 43. Add up by 10's, then by 1's until you get to 78. Add up how many you moved up by.

$$10 + 10 + 10 = 30$$

$$31, 32, 33, 34, 35$$

$$78 - 43 = 35$$

You could also draw out an open number line and draw the hops forward and add.

Practice Questions (show at least one of the strategies when solving)

$59 - 37 =$

$76 - 45 =$

$29 - 12 =$

$86 - 34 =$

$44 - 32 =$

$68 - 36 =$

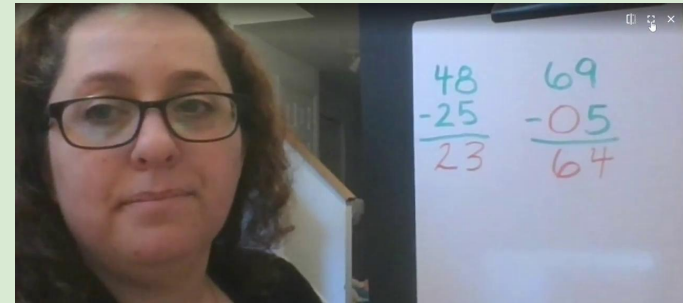
$96 - 78 =$

$35 - 14 =$

Standard Algorithm - No Borrowing

1. Subtract the numbers in the 'ones' place value (8-5), write the answer (3) under that place value.
2. Subtract the numbers in the 'tens' place value (6 -4), write the answer (2) under that place value.

$$\begin{array}{r} \text{tens} \\ \text{ones} \\ 68 \\ - 45 \\ \hline 23 \end{array}$$



Practice Questions (Use the standard algorithm to solve.)

$$\begin{array}{r} 48 \\ -36 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ -41 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ -14 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ -34 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ -31 \\ \hline \end{array}$$


$$\begin{array}{r} 97 \\ -64 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ -14 \\ \hline \end{array}$$

More Practice

Name: _____ Date: _____

Directions: Solve each problem

$\begin{array}{r} 56 \\ -24 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ -31 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ -23 \\ \hline \end{array}$	
$\begin{array}{r} 29 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ -12 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ -65 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ -12 \\ \hline \end{array}$
$\begin{array}{r} 68 \\ -41 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ -23 \\ \hline \end{array}$	$\begin{array}{r} 39 \\ -30 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ -44 \\ \hline \end{array}$
	$\begin{array}{r} 89 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ -11 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ -40 \\ \hline \end{array}$

