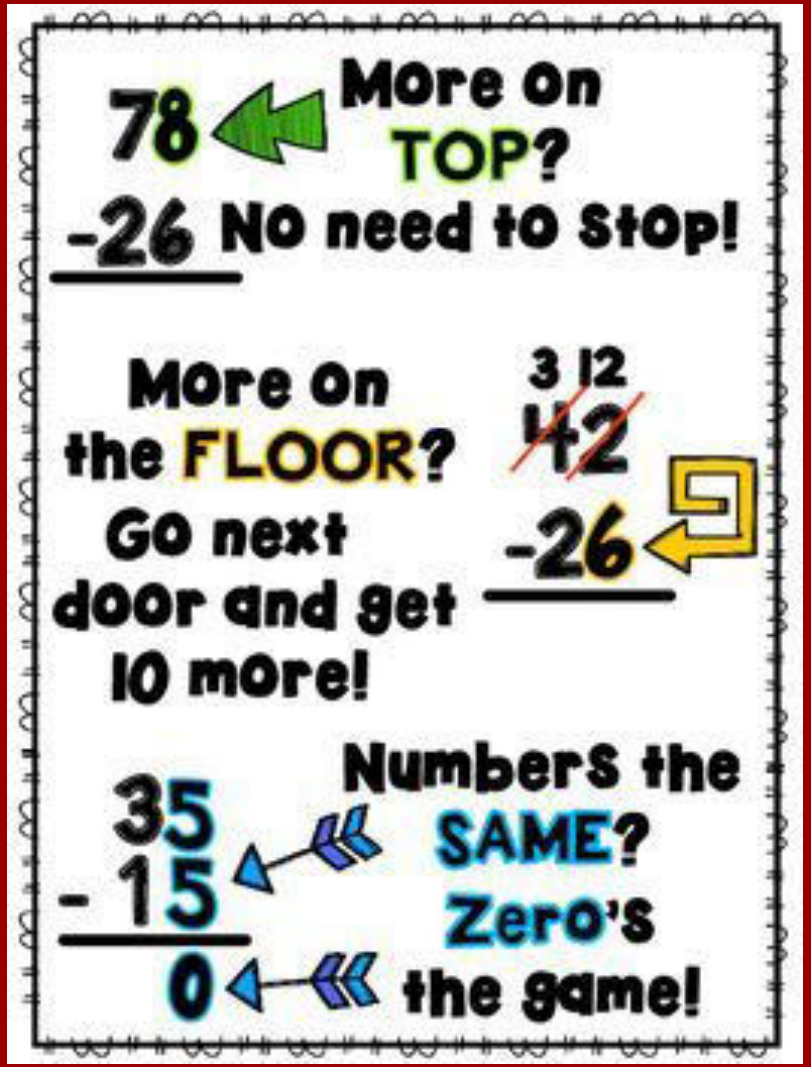
# Double Digit Subtraction Strategies With Regrouping!


78
-26
More on TOP?
No need to stop!
More on the FLOOR?
Go next door and get 10 more!
3 12
1 ~~4~~ ~~2~~
-26
35
- 15
0
Numbers the SAME?
Zero's the game!

# Subtraction using the Traditional Algorithm

# Subtraction using the Traditional Algorithm

Step 1

72 - 58 =

Take your number sentence that is horizontally written and write it vertically like seen on this slide.

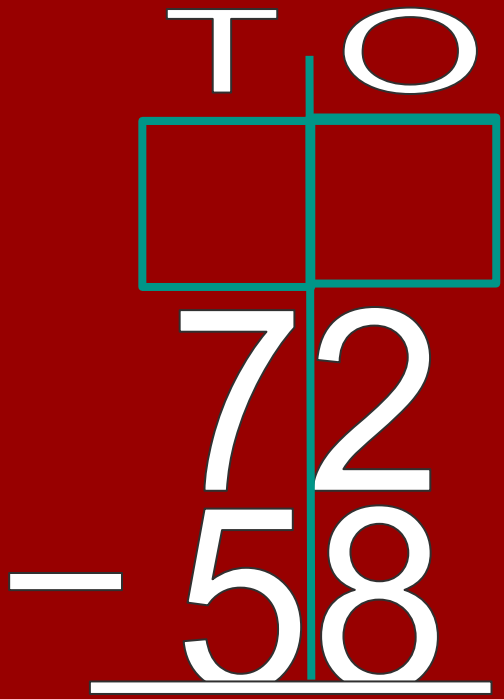
# Subtraction using the Traditional Algorithm

Step 2

72 - 58 =

Now, if it helps you, draw your place value chart over your algorithm.

Draw a box in BOTH the tens and ones in case you regroup!



# Subtraction using the Traditional Algorithm

Step 3

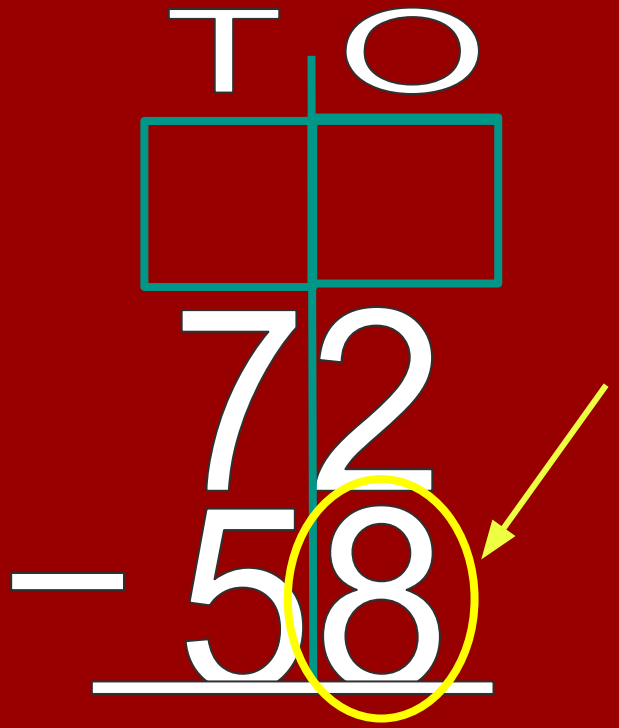
72 - 58 =

START IN THE ONES PLACE

Check to see if you have more on TOP or more on the FLOOR.

Here we have more on the FLOOR.

So we are going to have to “go next door and get 10 more!”



# Subtraction using the Traditional Algorithm

Step 4

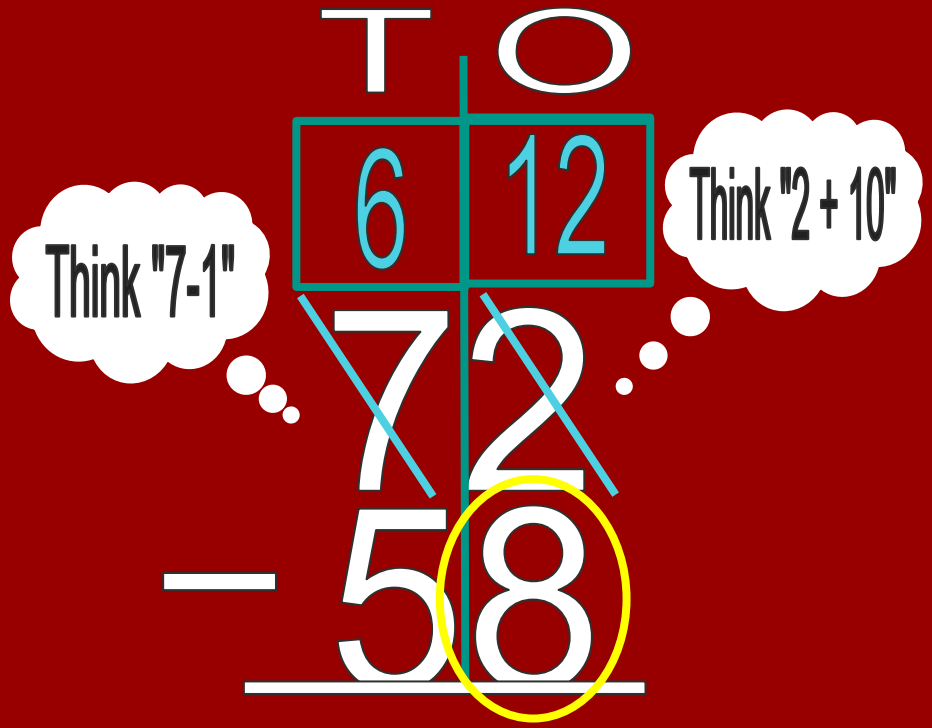
## 72 - 58 =

START IN THE ONES PLACE

Since we cannot take away 8 ones from 2 ones, we will need to go to the tens place and get a 10.

So now we are going to add 10 to the 2 and get 12.

And since we took away a ten. 7 tens minus 1 ten is equal to 6 tens.



# Subtraction using the Traditional Algorithm

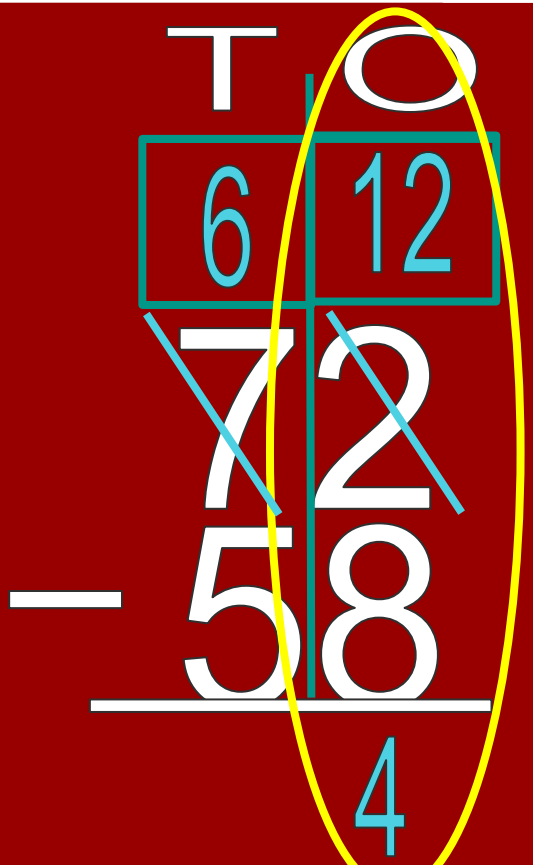
Step 5

## 72 - 58 =

Now subtract your ones place!

12 - 8

You should get 4!



# Subtraction using the Traditional Algorithm

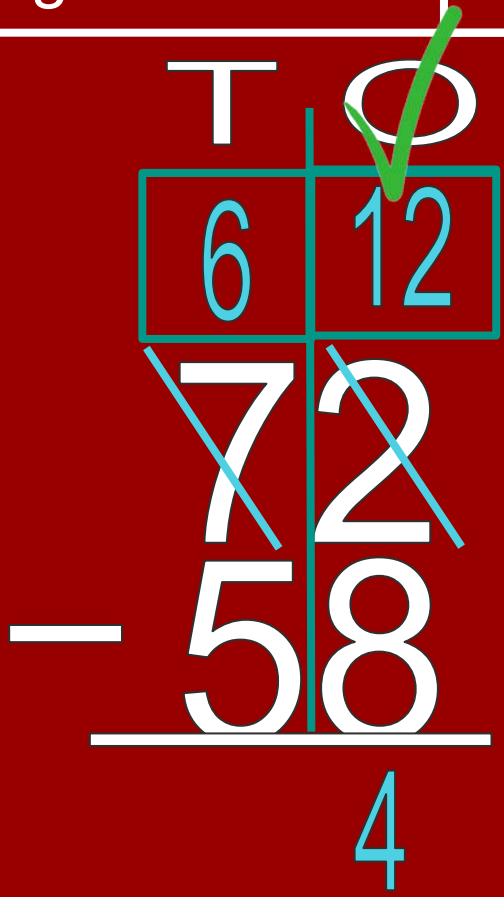
Step 6

72 - 58 =

You are done in your ones!

Check it off!

Move over to your tens!



# Subtraction using the Traditional Algorithm

Step 7

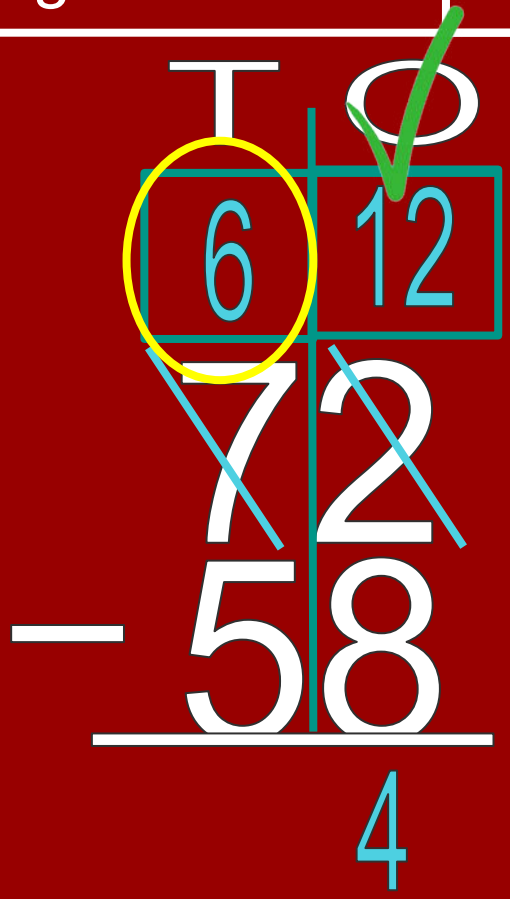
## 72 - 58 =

Now make sure that you regrouped correctly by asking yourself “Is there still 7 tens?”

Your answer should be “No, there are now 6!”

Then ask yourself, “Is there more on top or more on the floor?”

You should see that there is more on top this time!



# Subtraction using the Traditional Algorithm

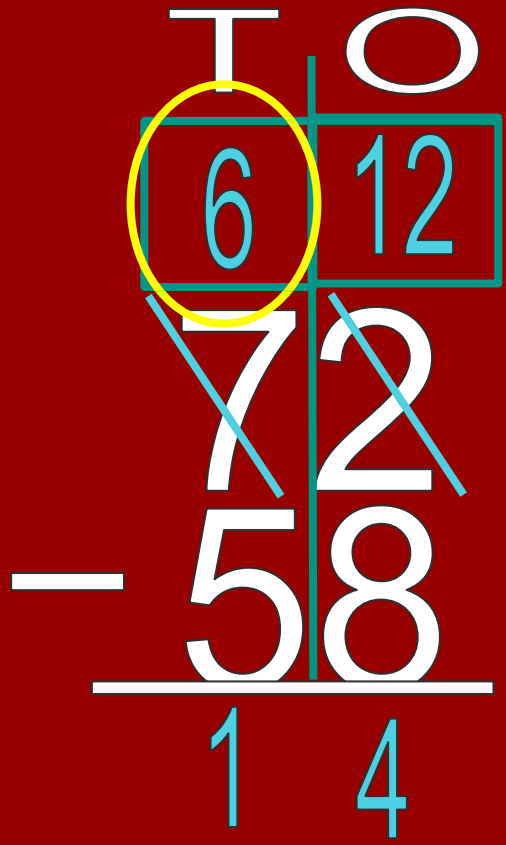
Step 8

## 72 - 58 =

Now you are ready to subtract your tens!

6 - 5 =

You should get 1!



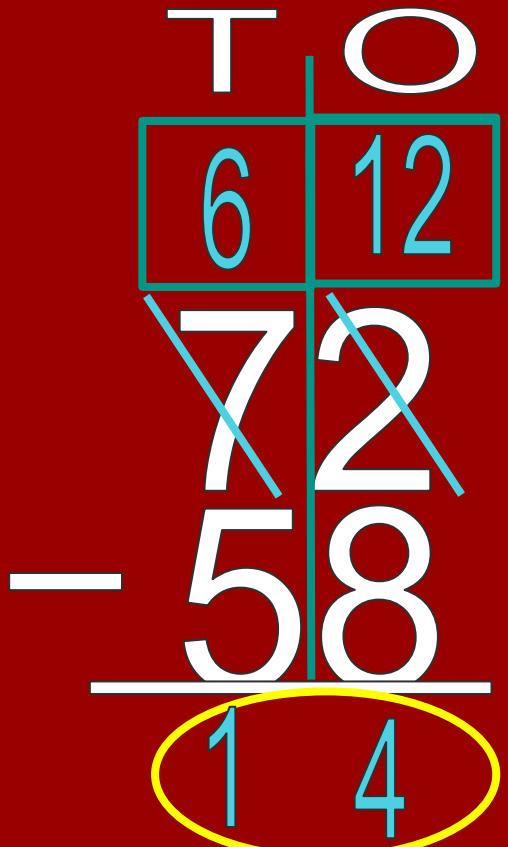
# Subtraction using the Traditional Algorithm

Step 9

## 72 - 58 =

Now combine your tens and ones and you will find your solution!

The solution to this problem is 14!



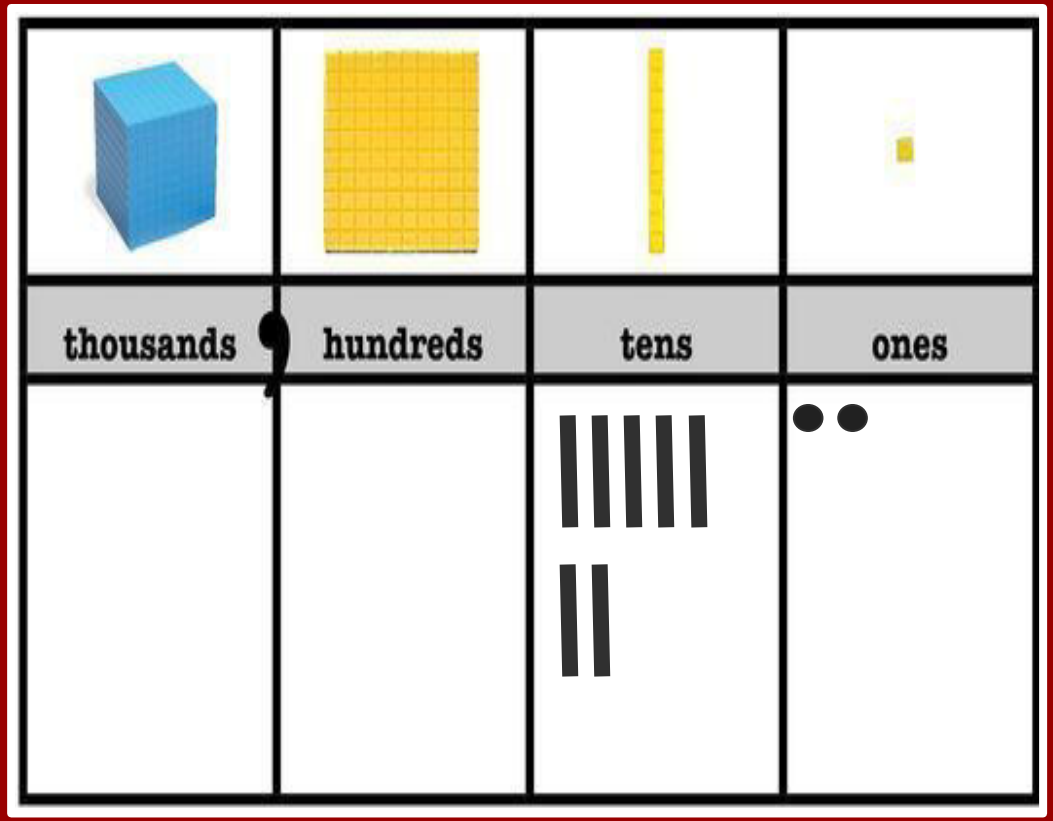
# Subtraction using Base 10 Blocks

# Subtraction using Base 10 Blocks

Step 1

## 72 - 58 =

Draw base 10 blocks of **only the FIRST NUMBER (72).**



# Subtraction using Base 10 Blocks

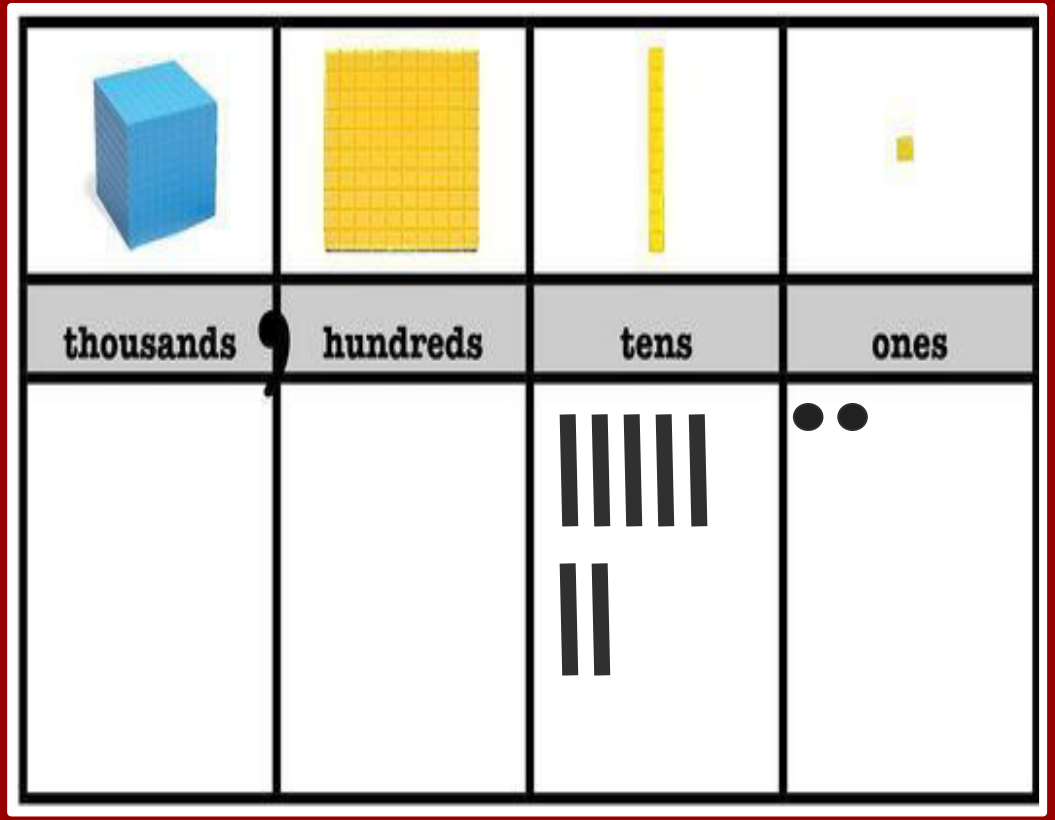
Step 2

72 - 58 =

**START IN THE ONES PLACE**

Ask yourself can I take away the second number (8) from the first number (2)?

(Is there more on top or more on the floor?)



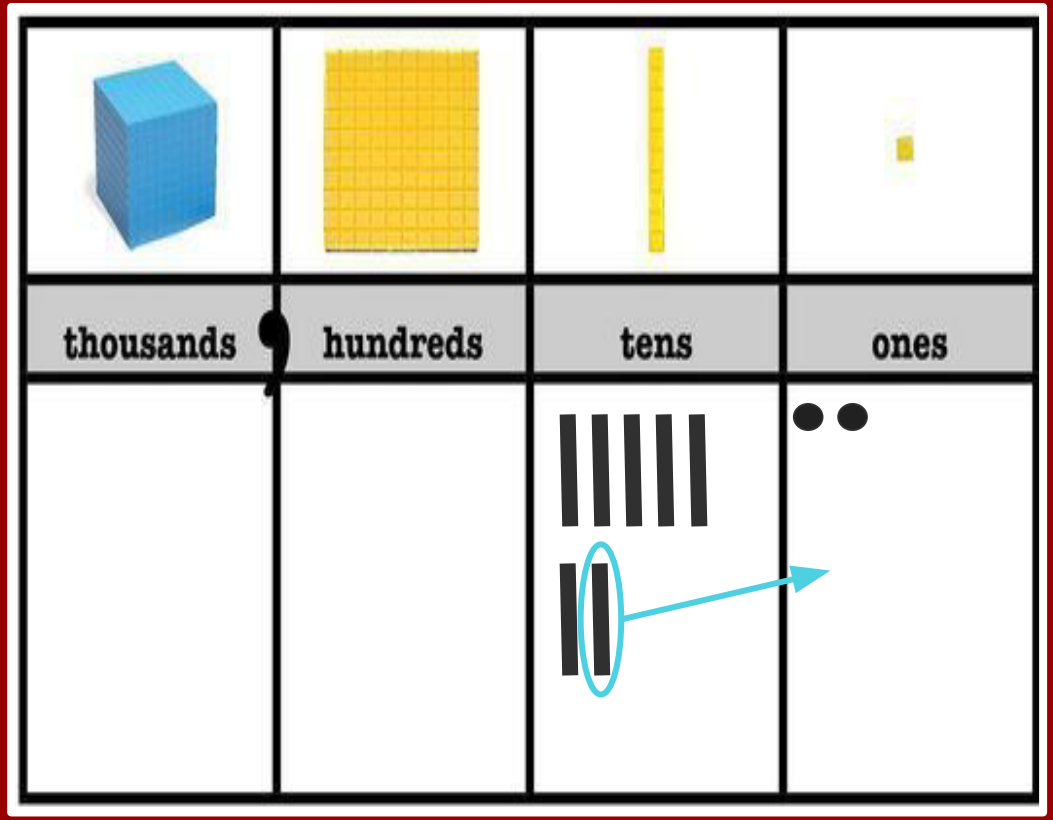
# Subtraction using Base 10 Blocks

Step 3

## 72 - 58 =

**<u>If the answer is NO, then you need to go next door and get 10 more!</u>**

Then you will take the 10 long and break it up into 10 unit cubes.



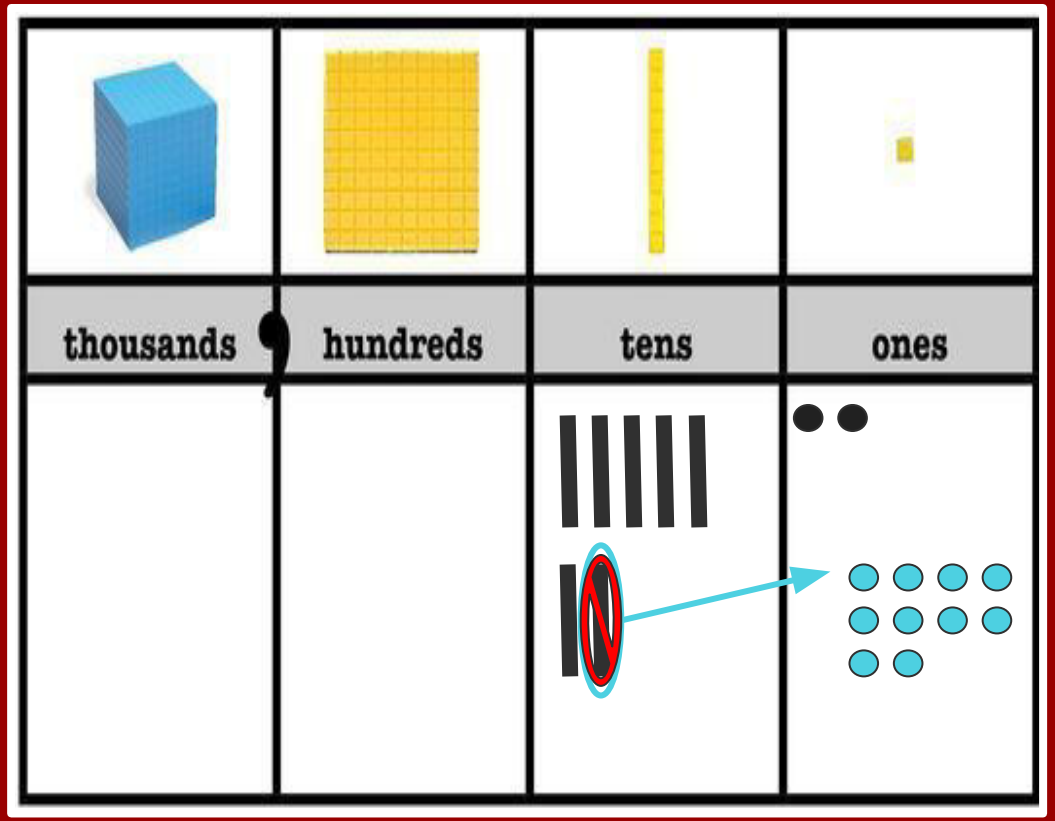
# Subtraction using Base 10 Blocks

Step 4

## 72 - 58 =

Then you will take the 10 long and break it up into 10 unit cubes.

Now you should have 12 ones!



# Subtraction using Base 10 Blocks

Step 5

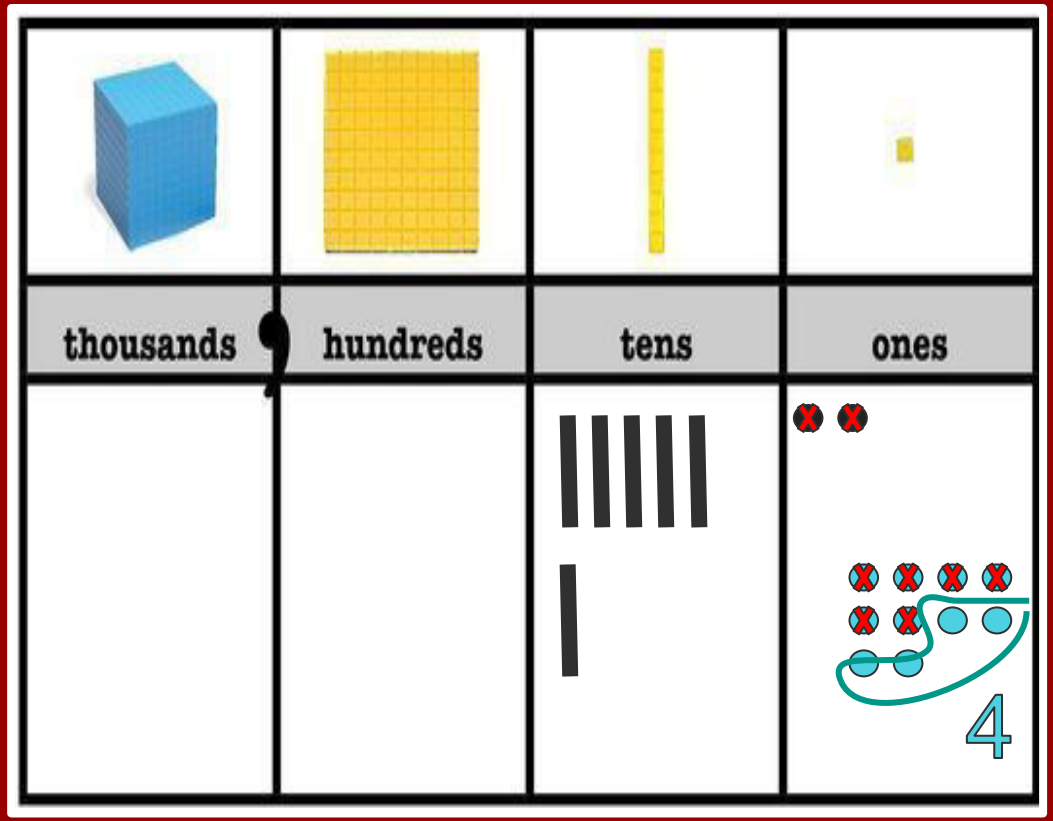
## 72 - 58 =

Now you will subtract your ones!

12 - 8

Circle what you have left!

You should have 4!



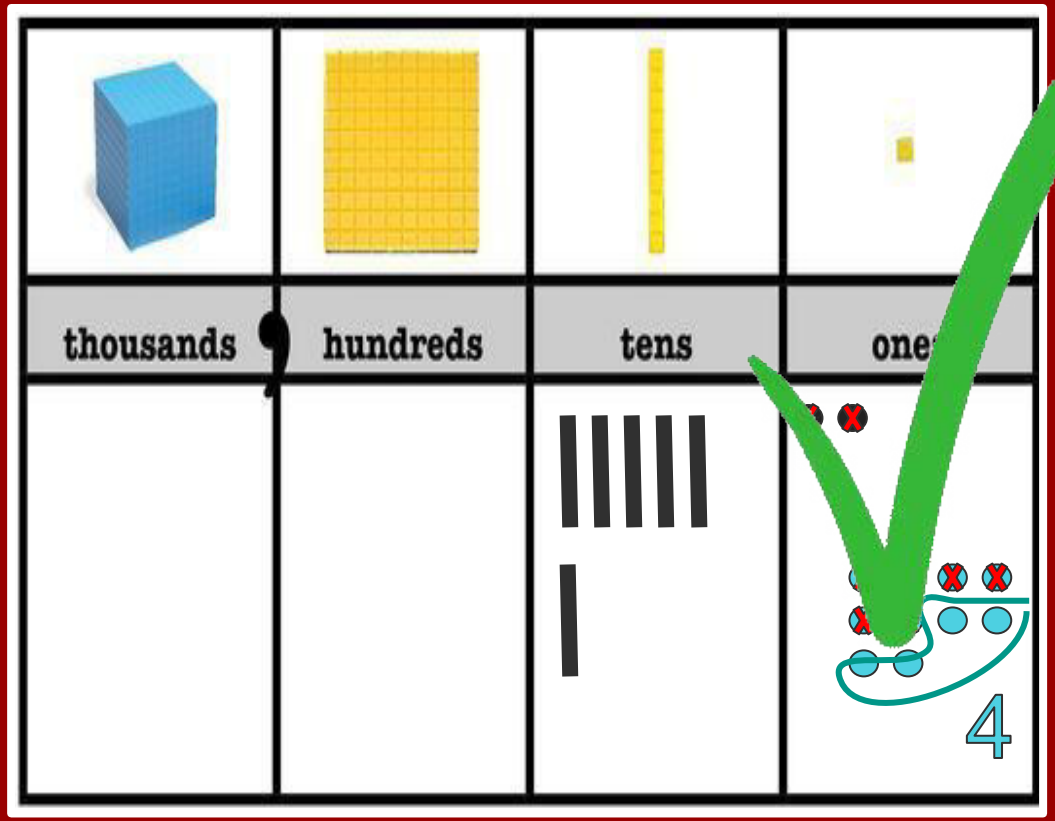
# Subtraction using Base 10 Blocks

Step 6

72 - 58 =

**You are done with your ones!**

**Check it off!**



# Subtraction using Base 10 Blocks

Step 7

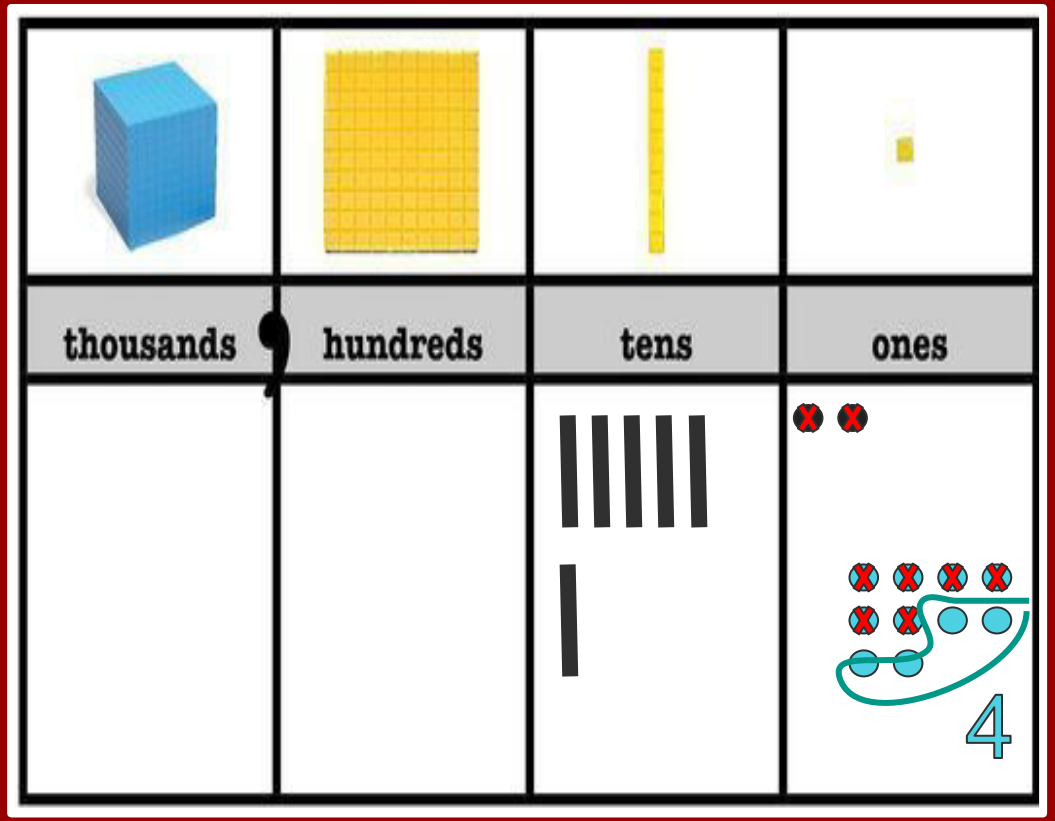
## 72 - 58 =

**Move on to the 10s!**

**Ask yourself, do I still have "7" in the tens.**

**Your answer should be NO, I have 6!**

**Then ask yourself, do I have more on top or more on the floor?**



# Subtraction using Base 10 Blocks

Step 8

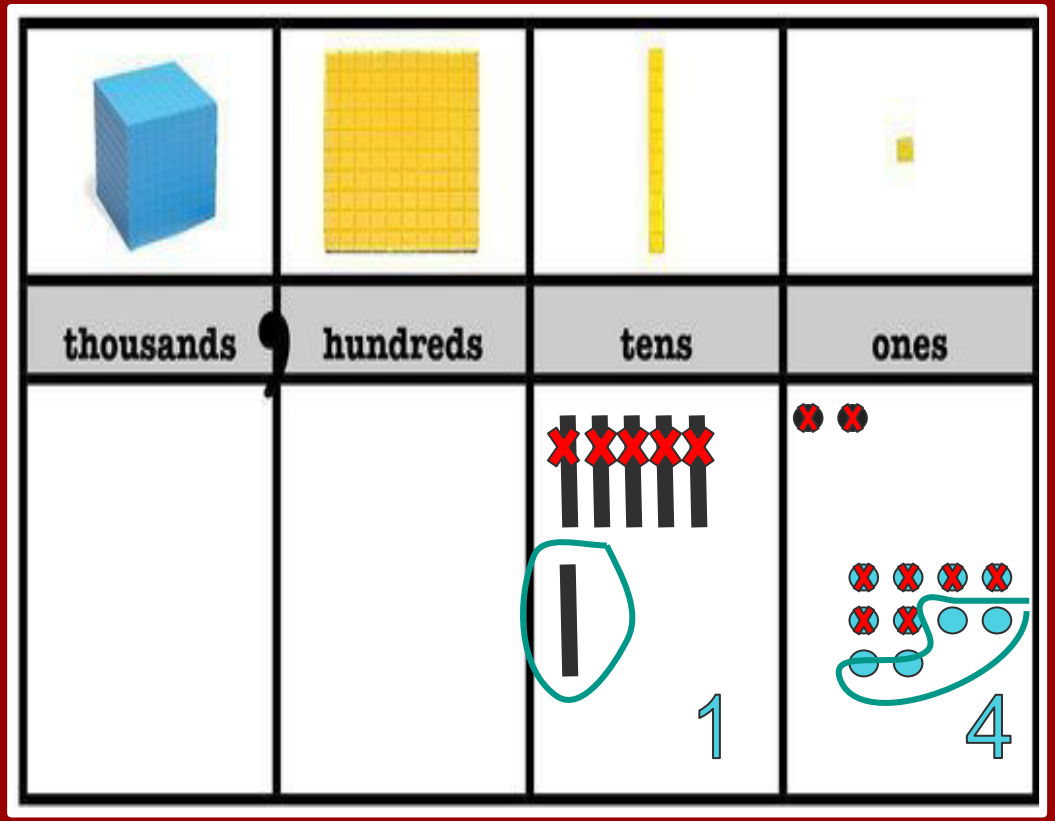
## 72 - 58 =

**You should of answered, *More on Top!***

**Now you can subtract your tens place!**

**6 - 5**

**Circle what you have left.**



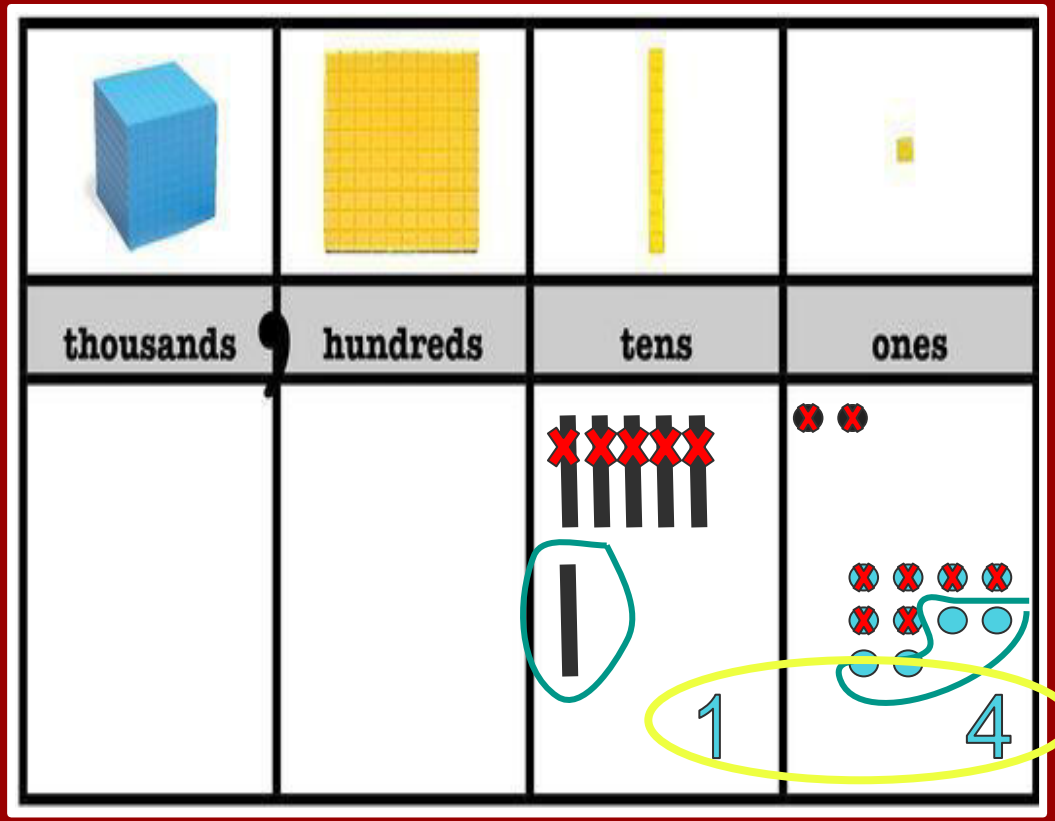
# Subtraction using Base 10 Blocks

Step 9

## 72 - 58 =

**Now you combine the tens and ones.**

**Your solution should be 14.**



# Subtraction using Expanded Form

# Subtraction using Expanded Form

Step 1

72 - 58 =

Take your number sentence that is horizontally written and write it vertically like seen on this slide.

$$\begin{array}{r} 72 \\ -\ 58 \\ \hline \end{array}$$

# Subtraction using Expanded Form

Step 2

72 - 58 =

Next you are going to take your numbers and EXPAND THEM OUT into **tens** and ones!

$$\begin{array}{rcl} 72 & \rightarrow & 70 + 2 \\ -\,58 & \rightarrow & -\,50 + 8 \\ \hline \end{array}$$

# Subtraction using Expanded Form

Step 3

72 - 58 =

Now look at your ones.

Do you have more on top or more on the floor?

You have more on the floor!

So you need to go next door and get 10 more!

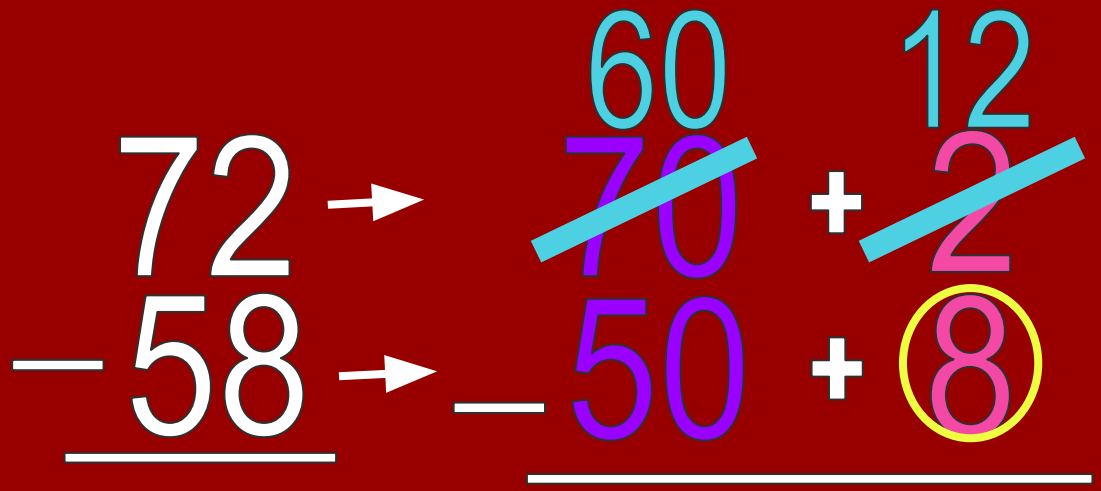
$$\begin{array}{rcl} 72 & \rightarrow & 70 + 2 \\ -\,58 & \rightarrow & -\,50 + 8 \\ \hline \end{array}$$

# Subtraction using Expanded Form

Step 4

72 - 58 =

So go next door and get 10 more!



# Subtraction using Expanded Form

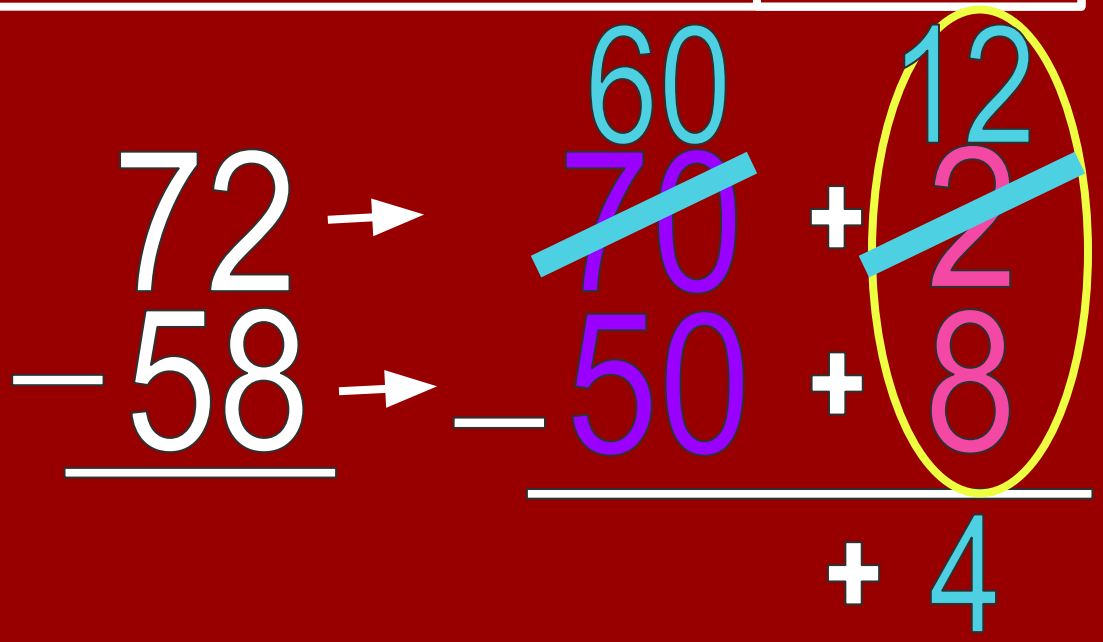
Step 5

72 - 58 =

Now subtract your ones!

12 - 8 =

You should get 4!

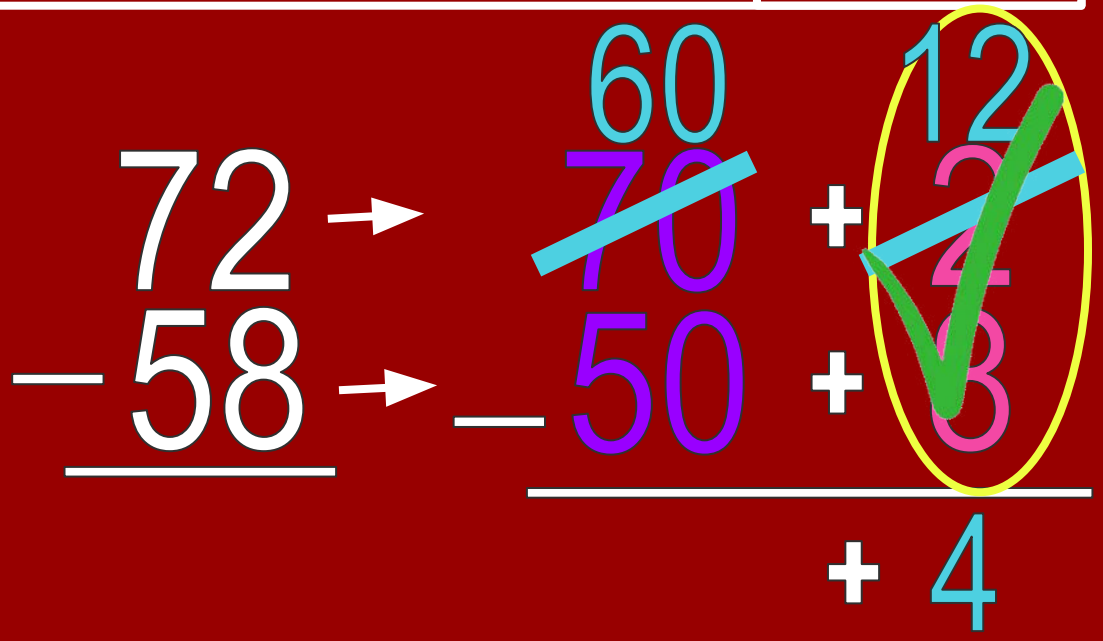


# Subtraction using Expanded Form

Step 6

72 - 58 =

Your done in your ones!
Check it off!



# Subtraction using Expanded Form

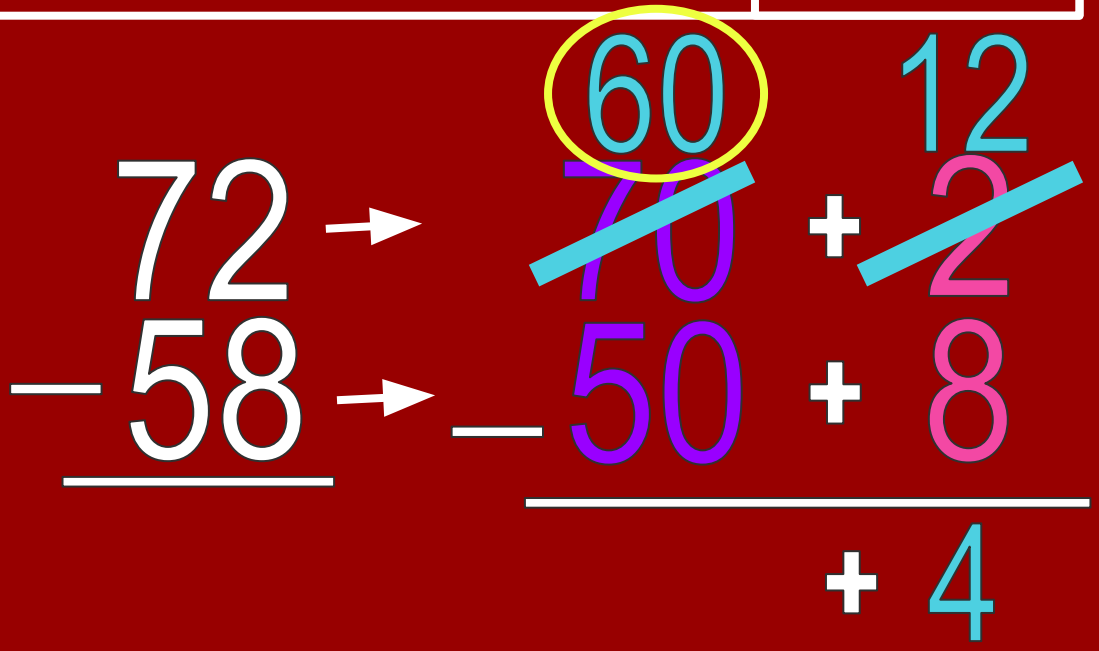
Step 7

72 - 58 =

Now, move to your tens!

Ask yourself, “Is there more on top or more on the floor?”

You have more on the top!



# Subtraction using Expanded Form

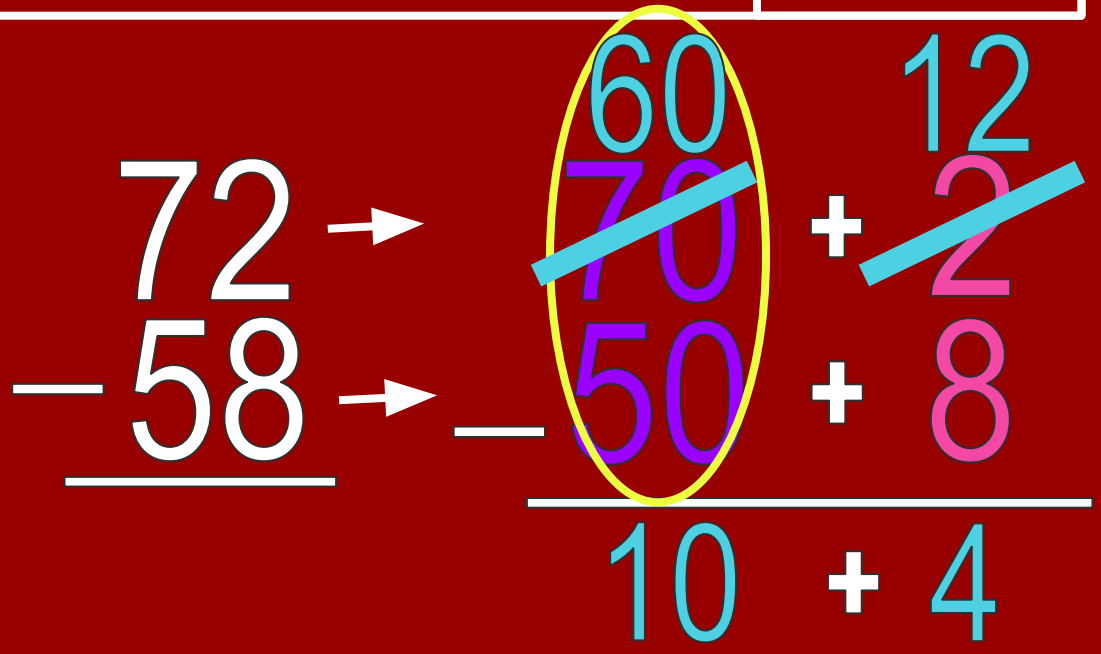
Step 8

72 - 58 =

Now, subtract your tens!

60 - 50 =

You should get 10!



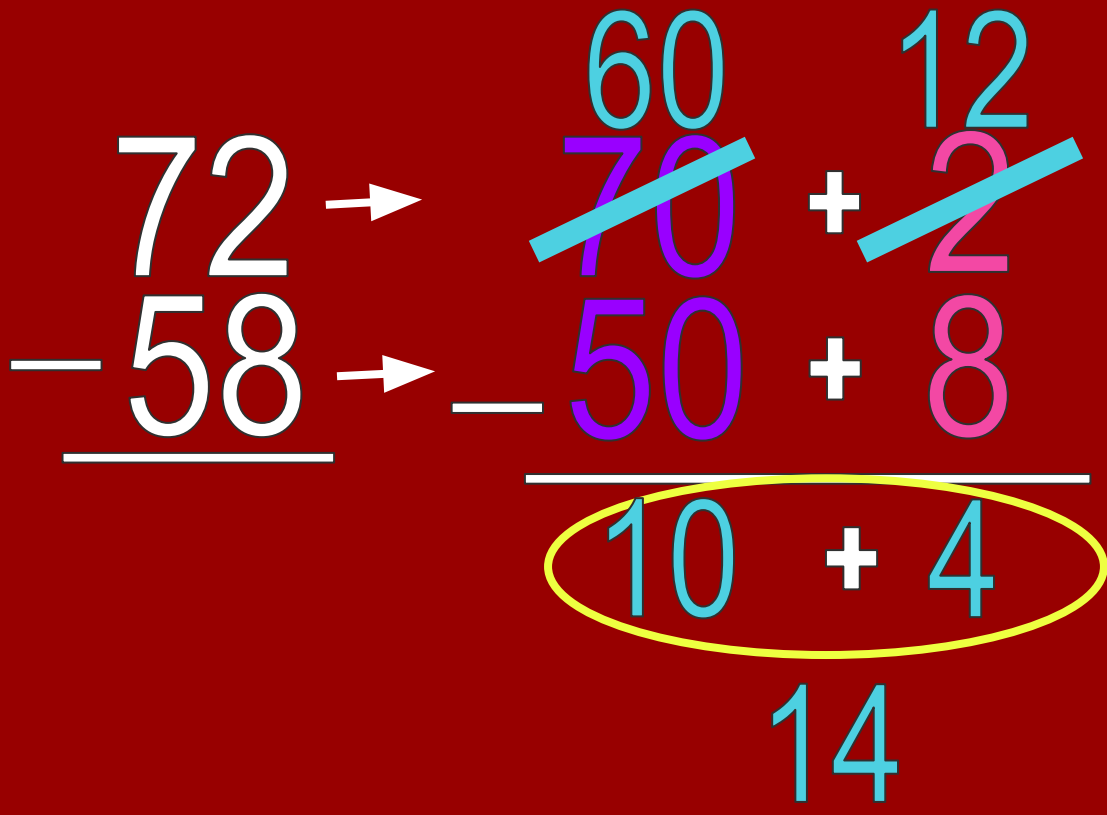
# Subtraction using Expanded Form

Step 9

72 - 58 =

Now combine your tens and your ones!

The solution to this problem is 14!



# Subtraction using an Open Number Line

# Subtraction using an Open Number Line

Step 1

72 - 58 =

Draw an Open Number Line

# Subtraction using an Open Number Line

Step 2

72 - 58 =

Put the first number at the end of the line.

| Subtraction using an Open Number Line | Step 3 |
|---|---|

| 72 - 58 = |
|---|
| Expand 58 into tens and ones |

$$58 = 50 + 8$$

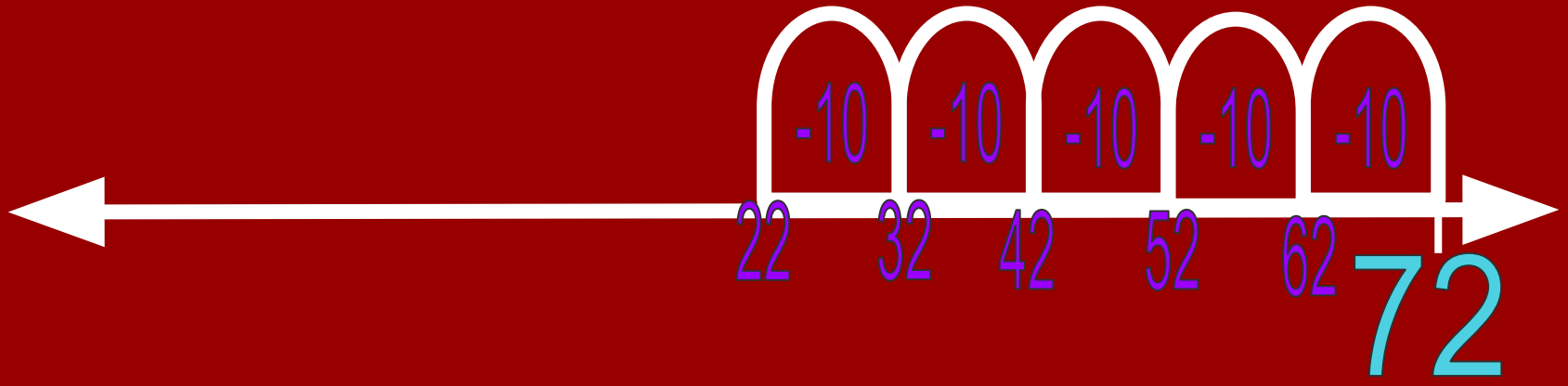
# Subtraction using an Open Number Line

Step 4

72 - 58 =

Subtract 50 by 10s as shown below.

$58 = 50 + 8$



# Subtraction using an Open Number Line

Step 4

72 - 58 =

Now subtract the 8 by 1s.

You should land on 14!

$58 = 50 + 8$