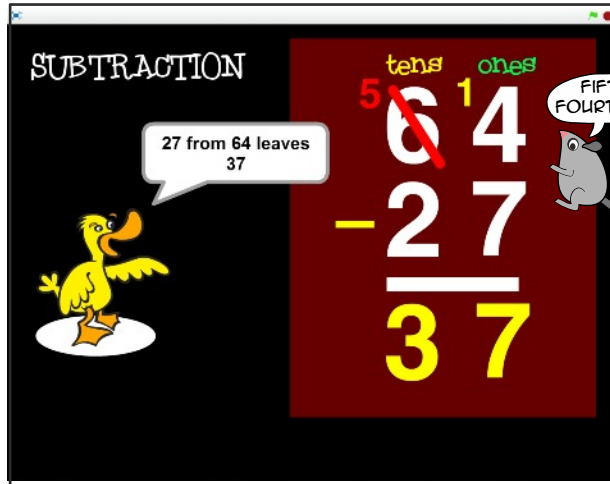


Go online at <https://scratch.mit.edu/projects/25409271/>

This is project 25409271



- The computer calculates a lower number limit and asks: **Input any number lower than your first** (by 10). The top number will be greater than the bottom number. *Input your bottom number (the subtrahend).*
- The computer says: "First let's subtract **ONES**" then **CLICK** to subtract. *Click.*
- "From top **ONES**, we subtract bottom **ONES**".
- If top **ONES** is less than bottom **ONES**, the computer will draw a red line through the top **TENS**, reduce them **by a ten** and regroup **ten ones** beside the top **ONES**. *CLICK to regroup.*
- We can now subtract bottom **ONES** from top **ONES**. *CLICK to subtract ONES.*
- The computer says: "Let's subtract **TENS**". If you regrouped, you subtract from the **reduced TENS**. Otherwise, subtract from starting **TENS**. *Click to subtract TENS.*
- The computer completes the subtraction and tells you the answer (*the difference*).

The Subtract to 99 App

This app provides plenty of practice subtracting 2-digit numbers with or without regrouping. Input the *top* number and then read the computer's instructions before inputting the *bottom* number. Click the flag to get started. Here are the steps to take.

- Input a 2-digit number, 30 or higher.**
Input your top number (the minuend).

Try the app for yourself now, with no regrouping and regrouping.

Make the computer work for you. Use the app to get the answers.

Do these yourself and use the app to check your answers.

- A 79 - 18 =
- B 64 - 42 =
- C 81 - 25 =
- D 50 - 10 =
- E 70 - 26 =
- F 42 - 19 =
- G 95 - 66 =
- H 44 - 20 =
- I 98 - 34 =
- J 60 - 43 =

- | | | | | | | | |
|---|----------------------|---|----------------------|---|----------------------|---|----------------------|
| A | 49 | B | 58 | C | 50 | D | 72 |
| | $- 13$ | | $- 26$ | | $- 10$ | | $- 32$ |
| | <input type="text"/> | | <input type="text"/> | | <input type="text"/> | | <input type="text"/> |
| E | 51 | F | 60 | G | 80 | H | 93 |
| | $- 11$ | | $- 37$ | | $- 54$ | | $- 49$ |
| | <input type="text"/> | | <input type="text"/> | | <input type="text"/> | | <input type="text"/> |
| I | 74 | J | 63 | K | 55 | L | 78 |
| | $- 25$ | | $- 28$ | | $- 16$ | | $- 39$ |
| | <input type="text"/> | | <input type="text"/> | | <input type="text"/> | | <input type="text"/> |

Teachers who are interested in learning how to code in Scratch can see inside the Subtract within 99 app at www.scratch.mit.edu/users/scratchfromscratch2 and study the code.