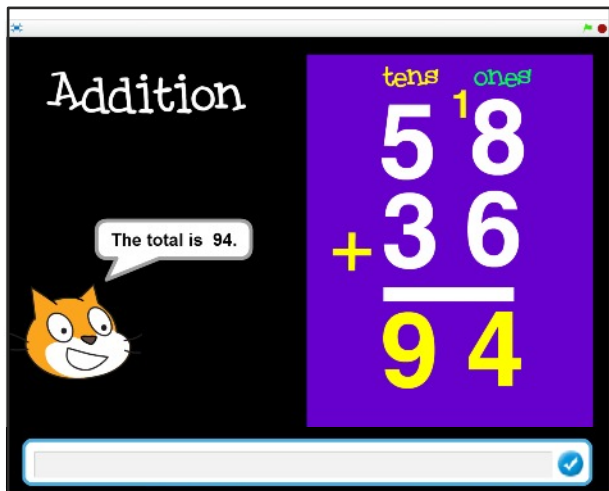


Go online at www.scratch.mit.edu/projects/25409285



The Add to 99 App

This app gives you plenty of practice adding two 2-digit numbers up to a maximum total of 99. You input the numbers yourself but you must read the computer's instructions from the cat sprite. Click the flag to get started. Here are the steps you take.

1. You are asked: **Input a 2-digit number.**

Input your number

2. The computer subtracts your number from 100 and asks: **Input any number lower than** (the computer's number). *Input your number.*
3. The computer says: **Let's add the ONES.** The ones flash for a few moments and you are asked to **CLICK** the stage with your mouse.
4. **CLICK** again and the computer will add the ONES.
5. **CLICK**, and the computer might say "**There are no TENS to rename.**" Otherwise it will say what the ONES add up to, how many ONES and **there is 1 to add to the TENS.** *The ONES have made a bundle of TEN! A ten has been renamed.*
6. **CLICK** and it will say "**Let's add the TENS.**" You see the total now if there is no renamed ten. Otherwise, the computer will say how many TENS there are before the renamed ten is included.
7. **CLICK.** "**Let's add the renamed TEN.**" The computer then displays the total.

Try it for yourself now.

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 $47 + 28 = \square$
- B $38 + 42 = \square$
- C $67 + 14 = \square$
- D $56 + 30 = \square$
- E $70 + 24 = \square$
- F $39 + 39 = \square$
- G $24 + 66 = \square$
- H $48 + 37 = \square$
- I $45 + 35 = \square$
- J $17 + 43 = \square$

- | | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | $\begin{array}{r} 27 \\ + 45 \\ \hline \square \end{array}$ | B | $\begin{array}{r} 56 \\ + 34 \\ \hline \square \end{array}$ | C | $\begin{array}{r} 37 \\ + 29 \\ \hline \square \end{array}$ | D | $\begin{array}{r} 16 \\ + 47 \\ \hline \square \end{array}$ |
| E | $\begin{array}{r} 42 \\ + 38 \\ \hline \square \end{array}$ | F | $\begin{array}{r} 51 \\ + 38 \\ \hline \square \end{array}$ | G | $\begin{array}{r} 34 \\ + 57 \\ \hline \square \end{array}$ | H | $\begin{array}{r} 23 \\ + 49 \\ \hline \square \end{array}$ |
| I | $\begin{array}{r} 26 \\ + 67 \\ \hline \square \end{array}$ | J | $\begin{array}{r} 28 \\ + 45 \\ \hline \square \end{array}$ | K | $\begin{array}{r} 19 \\ + 45 \\ \hline \square \end{array}$ | L | $\begin{array}{r} 21 \\ + 59 \\ \hline \square \end{array}$ |

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