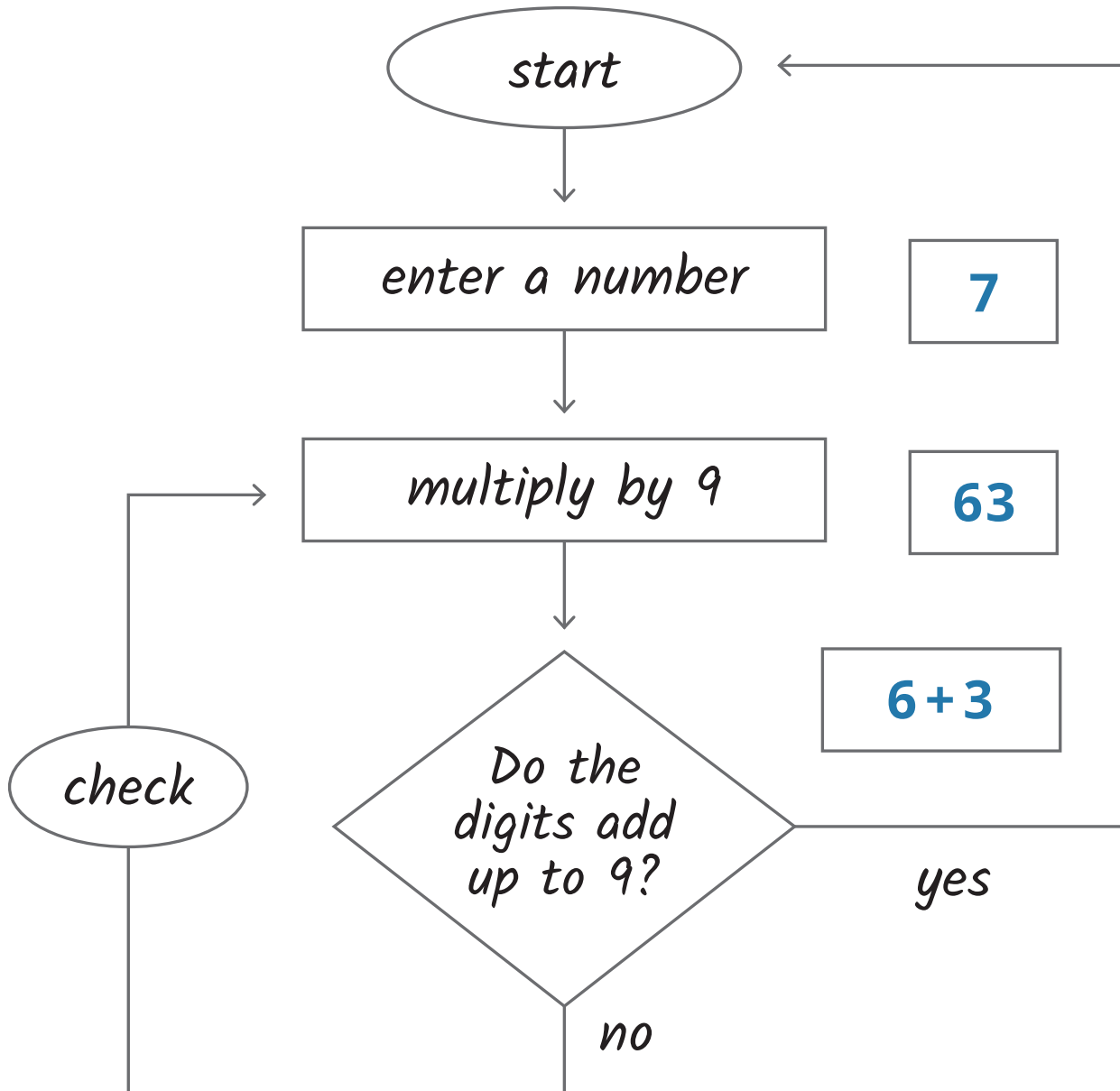## Algorithms: Multiplying by 9

Martine and Lee created an algorithm to help them learn the 9 times tables.

Follow the algorithm.

In this example the number 7 is entered. See how it works.

Next follow the steps in the algorithm with your own numbers.

How might this algorithm help you learn the 9 times tables.

What rule helps you know that you were correct in multiplying a number by 9?

Try entering a two- or three-digit number. What do you notice?

start

enter a number

multiply by 9

check

Do the digits add up to 9?

yes

no