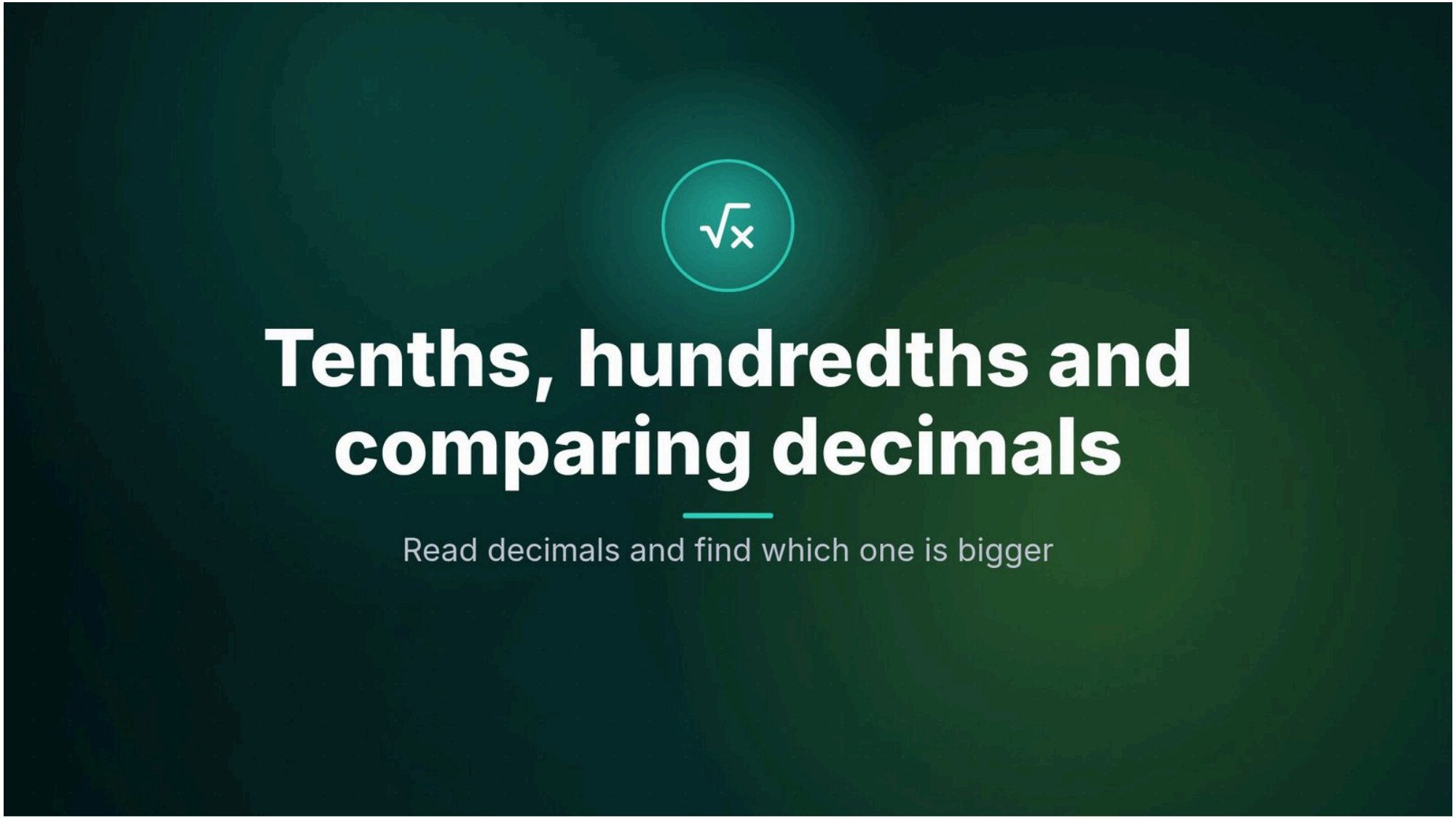
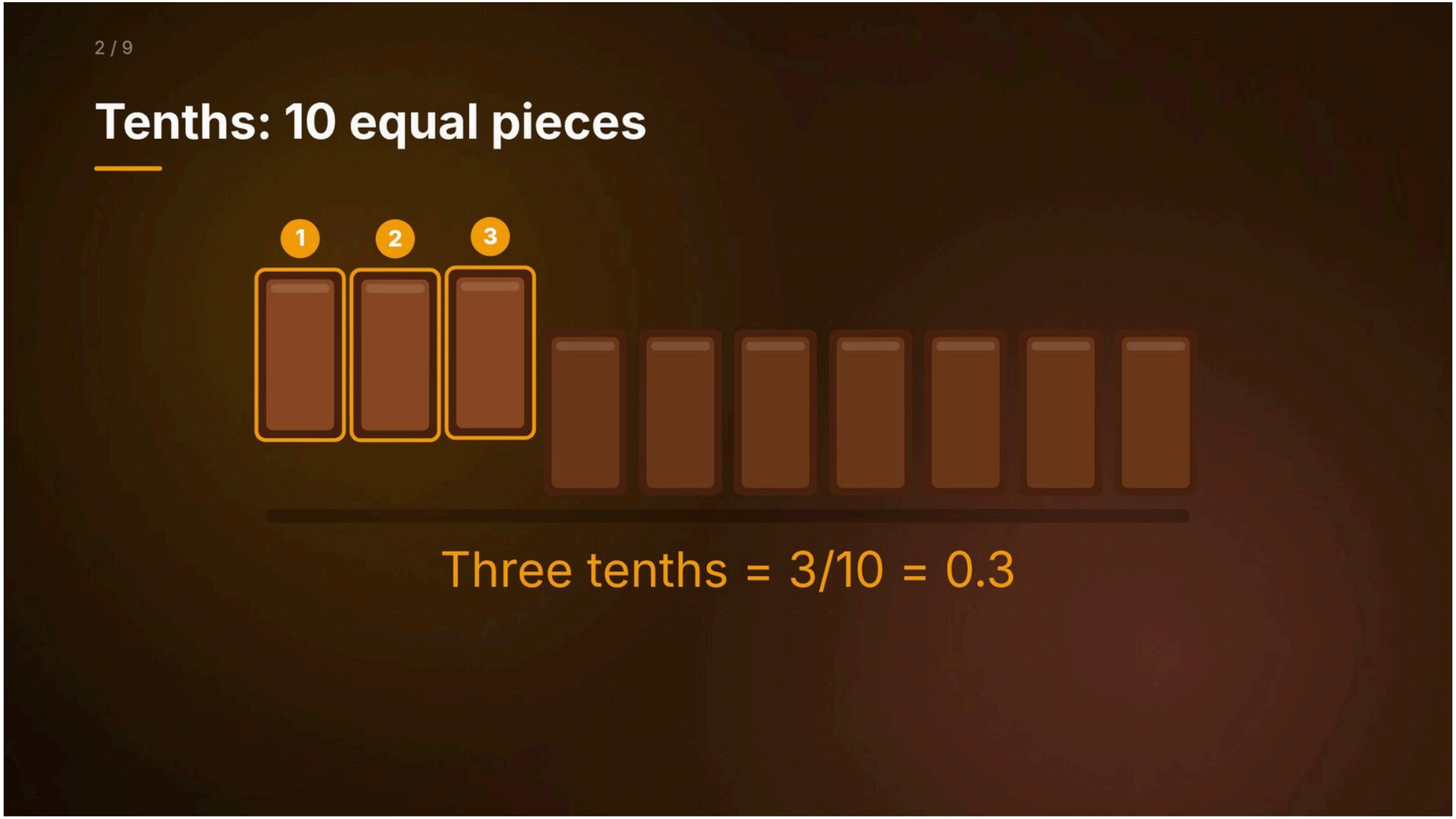


1 / 9 · Comparing decimals

Today you'll learn what tenths and hundredths are, how to read a decimal, and how to tell which of two decimals is bigger. Let's go!



2 / 9 · Tenths

Imagine a chocolate bar cut into 10 equal pieces. Each piece is one tenth, written as 0.1. If you eat 3 pieces, you've eaten three tenths, or 0.3!



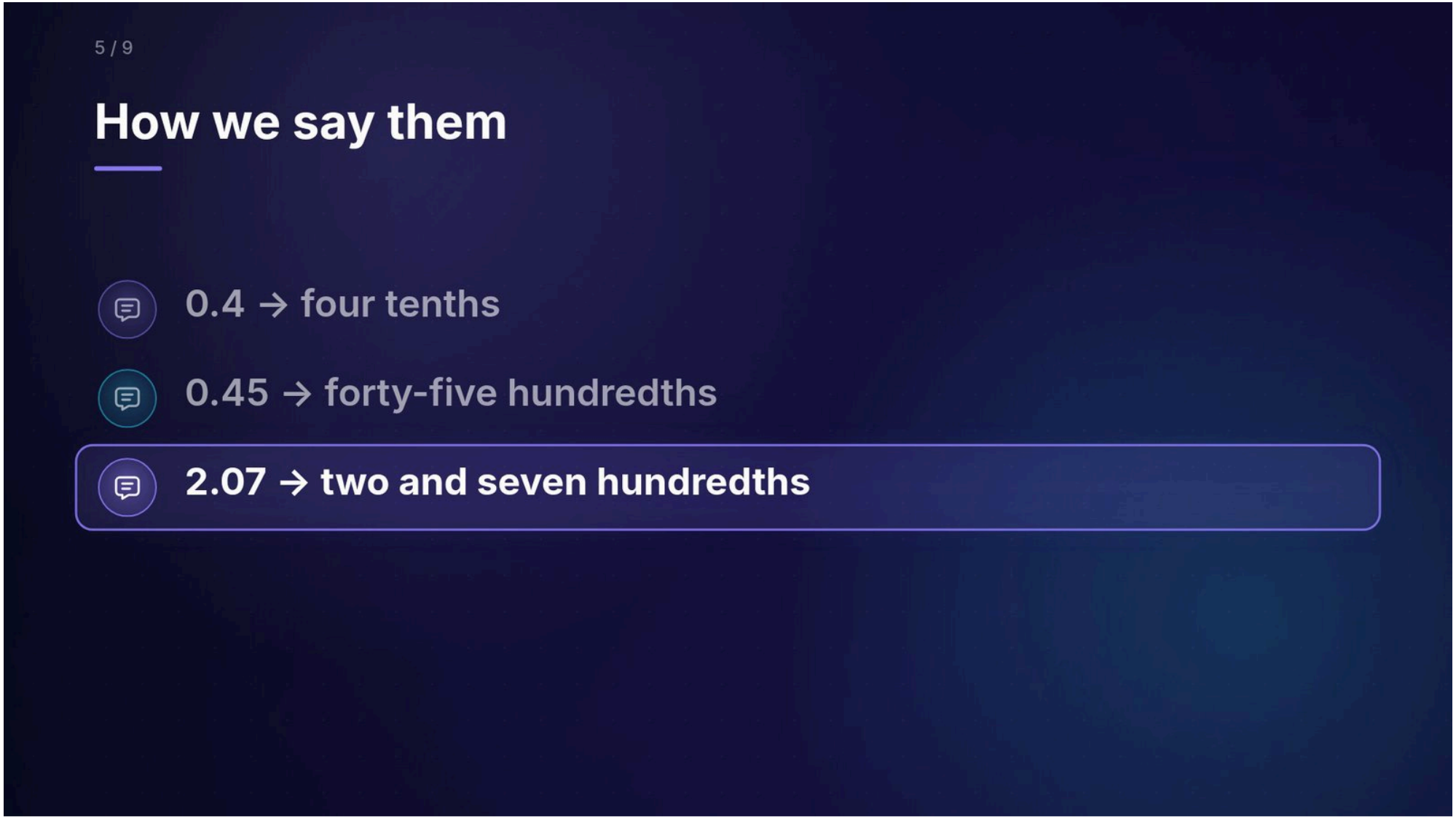
3 / 9 · Hundredths

Now picture a big square cut into 100 tiny equal squares. Each one is a hundredth, written as 0.01. Money works the same way: a dollar has 100 cents, so 25 cents is written $0.25.



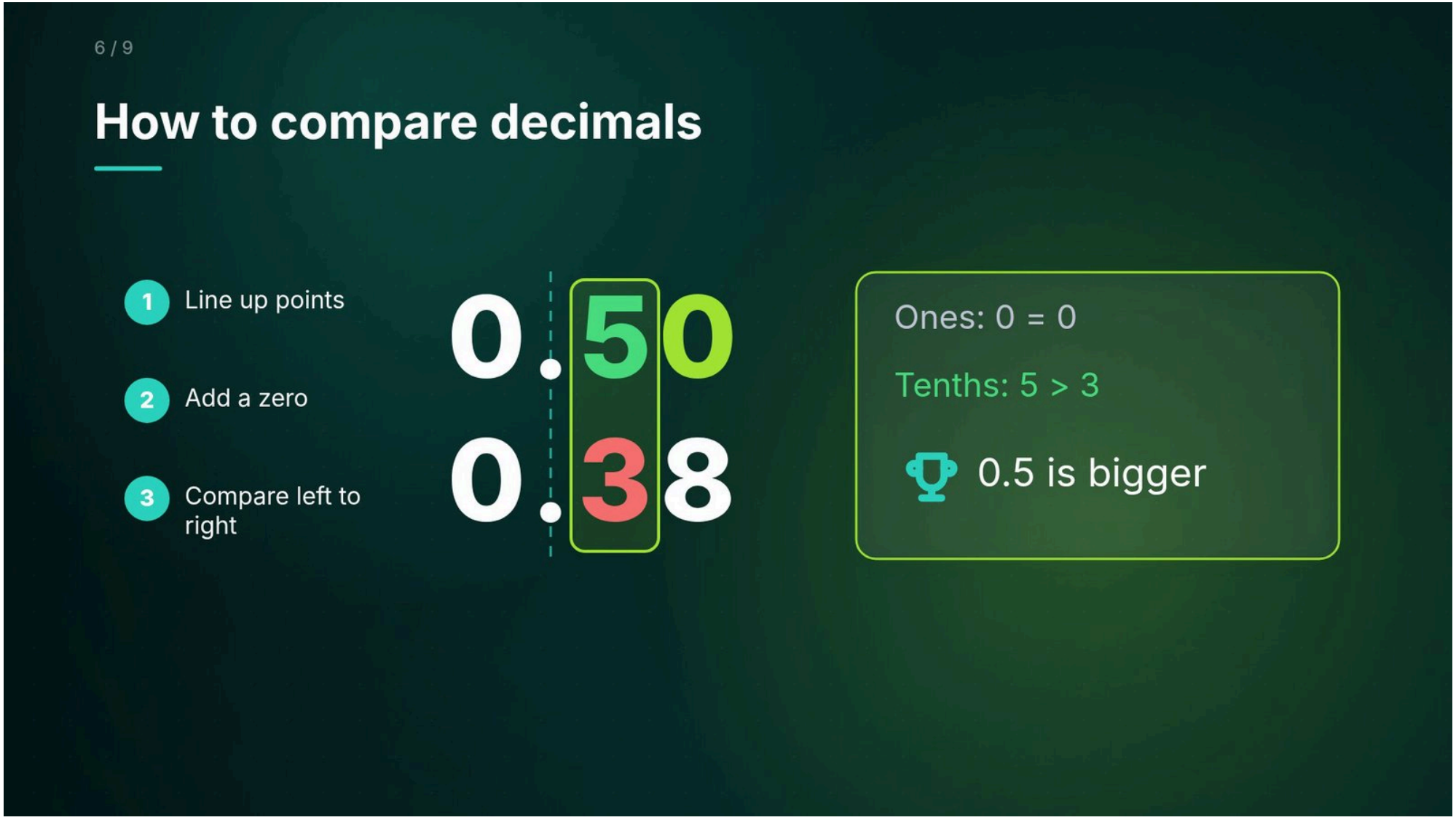
4 / 9 · The places in a decimal

The dot in a decimal is called the decimal point. Whole numbers sit on its left. The first digit on its right is the tenths place, and the second is the hundredths place.



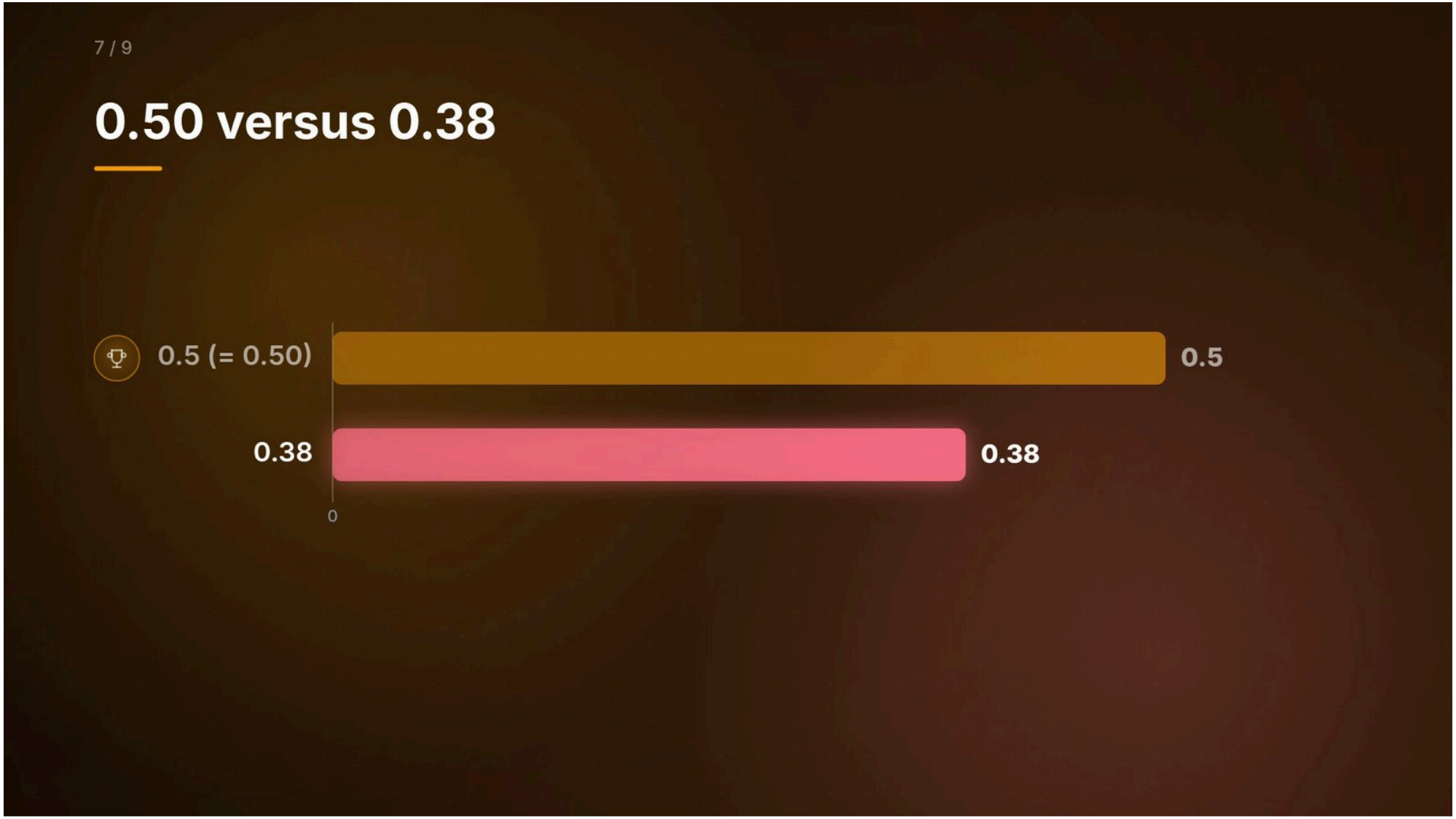
5 / 9 · Reading decimals out loud

Let's read some decimals. 0.4 is four tenths, and 0.45 is forty-five hundredths. 2.07 is two and seven hundredths, because the tenths place holds a zero.



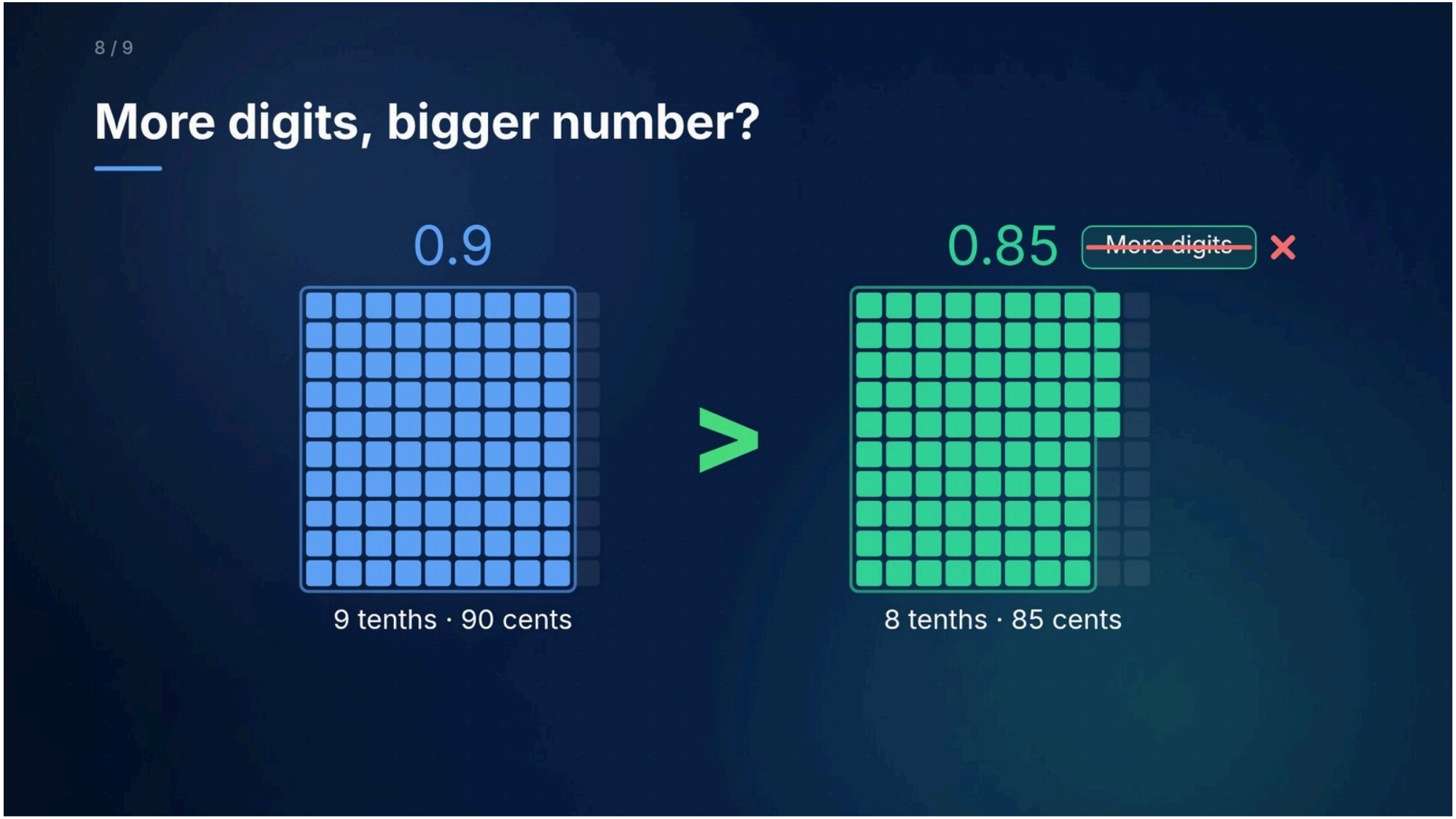
6 / 9 · Three steps to compare

To find the bigger decimal, first line up the decimal points. Next, add a zero so both have the same number of digits, because 0.5 is the same as 0.50. Then compare from left to right until the digits are different.



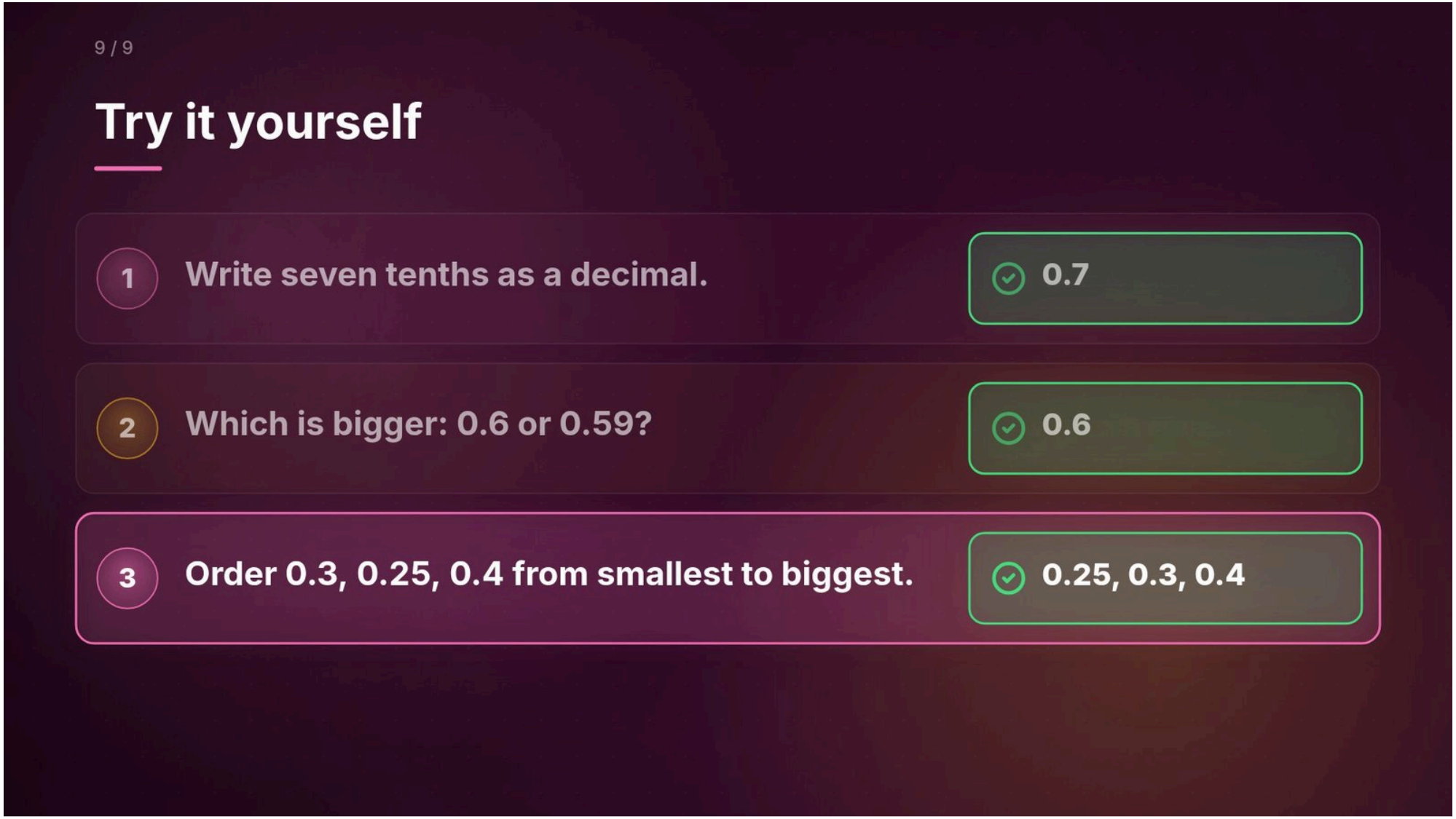
7 / 9 · Example: 0.5 or 0.38?

Which is bigger, 0.5 or 0.38? Write 0.5 as 0.50, then look at the tenths: 5 is bigger than 3. So 0.5 wins, even though 38 looks bigger than 5!



8 / 9 · A common mistake

Some people think a decimal with more digits is always bigger. That's not true! 0.9 is bigger than 0.85, because 9 tenths is more than 8 tenths, just like 90 cents is more than 85 cents.



9 / 9 · Try it yourself

Time for a quick check! How do you write seven tenths as a decimal? It's 0.7. Which is bigger: 0.6 or 0.59? It's 0.6, because 6 tenths is more than 5 tenths. Now put 0.3, 0.25 and 0.4 in order from smallest to biggest. The answer is 0.25, 0.3, 0.4. Great job today, decimal detectives — see you next time!