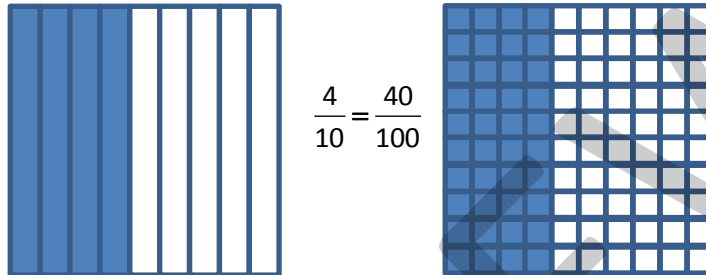


Writing and Adding Tenths and Hundredths ([4.NF.C.5](#))

To write a **fraction** with a **denominator** of 10 as a fraction with a denominator of 100, multiply **numerator** and denominator by 10.

$$\frac{4}{10} = \frac{4 \times 10}{10 \times 10} = \frac{40}{100}$$

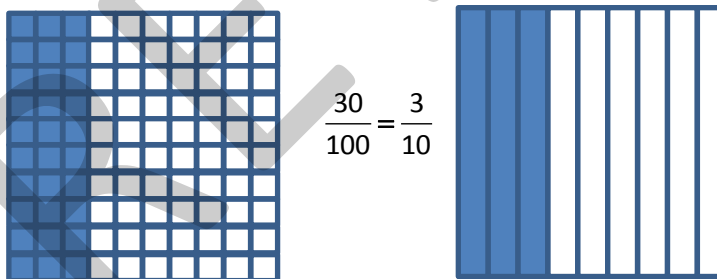
Use a grid model to demonstrate the **equivalent fractions**.



To write a fraction with a denominator of 100 as a fraction with a denominator of 10, divide numerator and denominator by 10.

$$\frac{30}{100} = \frac{30 \div 10}{10 \div 10} = \frac{3}{10}$$

Use a grid model to demonstrate the equivalent fractions.



Add fractions in tenths and hundredths by writing equivalent fractions with like denominators.

$$\frac{4}{10} + \frac{5}{100} = \frac{40}{100} + \frac{5}{100} = \frac{45}{100}$$

If your students...

Do not understand equivalent fractions:

WATCH: Khan Academy - Equivalent Fractions

<https://www.opened.com/video/khan-academy-equivalent-fractions/63905>

Have difficulty converting between tenths and hundredths:

WATCH: Use a Grid Model to Show how Fractions with Denominators 10 and 100 are Equivalent

<https://www.opened.com/video/use-a-grid-model-to-show-how-fractions-with-denominators/412422>

WATCH: Use a Number Line to Show How Fractions with Denominators 10 and 100 are Equivalent

<https://www.opened.com/video/use-a-number-line-to-show-how-fractions-with-denominators/412421>

Incorrectly add tenths and hundredths:

WATCH: Add Tenths and Hundredths by Creating Equivalent Fractions

<https://www.opened.com/video/add-tenths-and-hundredths-by-creating-equivalent-fractions/139093>

For extra practice with writing and adding tenths and hundredths:

COMPLETE: 4.NF.5 Express a Fraction with Denominator 10 as an Equivalent Fraction

<https://www.opened.com/homework/4-nf-5-express-a-fraction-with-denominator-10-as-an-equivalent/3691282?run=true>