

Finding Fraction and Percent Equivalents

Two students used 10×10 grids to find percent equivalents for fractions.

Olivia worked with $\frac{3}{5}$.

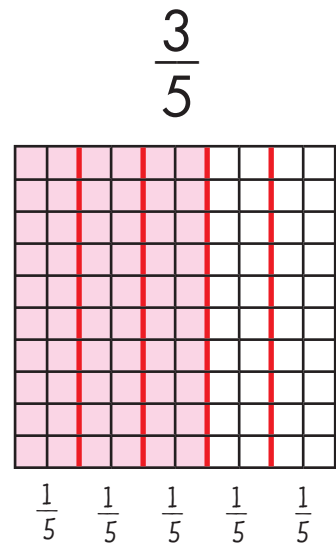
Olivia's solution

I shaded $\frac{3}{5}$ on the 10×10 square.

Because there are five 20s in 100, every two columns on the 10×10 grid represents $\frac{1}{5}$.

I shaded 6 columns for $\frac{3}{5}$.

From looking at the 10×10 square, I know that $\frac{3}{5} = \frac{60}{100} = 60\%$.



Martin worked with $\frac{3}{8}$.

Martin's solution

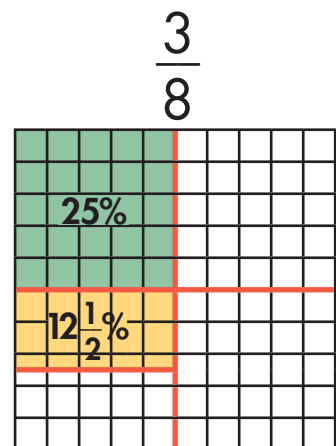
I know that $\frac{2}{8} = \frac{1}{4}$, and I know that $\frac{1}{4} = 25\%$.

So, $\frac{2}{8} = 25\%$.

$\frac{1}{8}$ is half of $\frac{2}{8}$, so $\frac{1}{8}$ is half of 25%, or $12\frac{1}{2}\%$.

$\frac{3}{8} = \frac{2}{8} + \frac{1}{8} = 25\% + 12\frac{1}{2}\% = 37\frac{1}{2}\%$

So, $\frac{3}{8} = 37\frac{1}{2}\%$.



Find the percent equivalents for these fractions:

$$\frac{1}{5} = \underline{\quad\quad} \%$$

$$\frac{5}{8} = \underline{\quad\quad} \%$$