

Understand Percent

You can use fraction bars to find the simplest form of a fraction.

Find the simplest form for $\frac{3}{12}$.

STEP 1

Model $\frac{3}{12}$ with fraction bars.



STEP 2

Line up other fraction bars to find all the equivalent fractions for $\frac{3}{12}$. You can see that $\frac{2}{8}$ and $\frac{1}{4}$ are equivalent fractions to $\frac{3}{12}$.



STEP 3

The equivalent fraction that has the largest fraction bar possible is in simplest form.

So, $\frac{1}{4}$ is simplest form of $\frac{3}{12}$.

Examples:

A- Write the simplest form.

1) $\frac{6}{9}$

2) $\frac{8}{64}$

3) $\frac{15}{45}$

4) $\frac{11}{121}$

5- $\frac{27}{27}$

$$\frac{2 \times 3}{3 \times 3} = \frac{2}{3}$$

$$\frac{8}{8 \times 8} = \frac{1}{8}$$

$$\frac{5 \times 3}{5 \times 9} = \frac{3}{3 \times 3} = \frac{1}{3}$$

$$\frac{11}{11 \times 11} = \frac{1}{11}$$

$$\frac{27}{27} = 1$$