

Name _____

Date _____

Simplify Large Fractions Worksheet

Simplify the fraction:

$$\frac{15}{45}$$

In this example, the fraction is 15/45 is not in its simplest fraction. So, it needs to be simplified.

Simplifying fractions returns an answer in a reduced fraction and a mixed number, if it exists.

We can reduce the fraction into its simple fraction by dividing numerator and denominator.

As both numerator and denominator are divisible by 3 and 5, so we can reduce the numerator and denominator by dividing them by 15.

$$\begin{array}{ccc} & \div 15 & \\ & \curvearrowright & \\ \frac{15}{45} & = & \frac{1}{3} \\ & \curvearrowleft & \\ & \div 15 & \end{array}$$

Answer: 1/3

The new fraction is in its least form.

Practice problem.

1	$\frac{4}{8} =$	2	$\frac{14}{56} =$
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