HELLO!

Today we are going to learn to put fractions into their simplest form.

\[
\frac{4}{8} = \frac{1}{2} \quad \frac{4}{6} = \frac{2}{3}
\]
Warm up for finding equivalent fractions using denominators

Find a common factor of:

1. 6 and 10  
2. 20 and 25  
3. 9 and 21

Complete the equivalent fractions.

4. \[
\frac{6}{21} = \frac{7}{7} = 1
\]
5. \[
\frac{12}{20} = \frac{3}{5}
\]
6. \[
\frac{12}{40} = \frac{10}{10} = 1
\]

You are learning to put fractions into their simplest form
Simplest form

In this session, we are going to learn:

- To understand ‘numerator’ and ‘denominator’
- To simplify fractions by finding common factors
- To put fractions into their ‘simplest form’
Numerators and denominators

The numerator tells you how many parts of the whole your fraction has got.

Circle the numerators of these fractions.

\[
\frac{2}{3} \quad \frac{3}{4} \quad \frac{1}{6}
\]

The denominator tells you how many parts the whole is divided into.

Draw squares around the denominators of these fractions.

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Numerator and denominators

Write the correct name beside each part of this fraction.

\[
\begin{array}{c}
5 \\
16
\end{array}
\]
Simplifying fractions by finding common factors

Which is the largest fraction?

\[
\frac{4}{8} \quad \frac{1}{2} \quad \frac{2}{4}
\]

Which fraction is simplest?

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Simplifying fractions by finding common factors

Simplify each fraction by dividing the numerator and the denominator by a common factor.

\[
\frac{20}{25} = \quad \frac{9}{21} = \quad \frac{10}{14} = \\
\frac{6}{16} = \quad \frac{28}{35} = \quad \frac{22}{33} =
\]
Simplest form

1. Two pupils have simplified a fraction. Why are their answers different?

\[
\frac{12}{18} = \frac{6}{9} \quad \quad \frac{12}{18} = \frac{4}{6}
\]

2. Can you simplify the pupils’ answers? What happens?

What is \( \frac{12}{18} \) in its simplest form?

You are learning to put fractions into their simplest form
Simplest form

3. Put these fractions into their simplest form.

\[
\frac{16}{24} = \quad \frac{30}{60} = \\
\frac{18}{24} = \quad \frac{24}{40} = 
\]
Practice time

1. Simplify each fraction.

\[
\frac{14}{16} = \quad \frac{6}{14} = \quad \frac{15}{35} =
\]

2. Put these fractions into their simplest form.

\[
\frac{8}{24} = \quad \frac{40}{60} =
\]

You are learning to put fractions into their simplest form
3. Write the correct name beside each part of this fraction.

\[ \frac{3}{7} \]
Practice time

4. Fill in the boxes to make four fractions with a denominator of 24 that can be simplified to a unit fraction.

\[
\frac{12}{24} = \frac{1}{\square} \quad \text{and} \quad \frac{\square}{24} = \frac{1}{\square}
\]

\[
\frac{\square}{24} = \frac{1}{\square} \quad \text{and} \quad \frac{\square}{24} = \frac{1}{\square}
\]

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Simplest form

What do you understand better now?

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