

# Simplify Fractions

Investigate which fractions below can be simplified.

 $\frac{120}{240}$  $\frac{140}{160}$  $\frac{36}{49}$  $\frac{64}{108}$  $\frac{56}{81}$  $\frac{150}{600}$  $\frac{7}{150}$  $\frac{75}{99}$  $\frac{121}{144}$  $\frac{42}{55}$  $\frac{63}{84}$  $\frac{81}{90}$ 

For any fractions that can't be simplified, explore alternative numerators so that the fraction could be simplified.

# Simplify Fractions

Investigate which fractions below can be simplified.

Various answers, for example:

$$\frac{120}{240} = \frac{1}{2} \quad \frac{140}{160} = \frac{7}{8} \quad \frac{64}{108} = \frac{16}{27} \quad \frac{150}{600} = \frac{1}{4}$$

$$\frac{75}{99} = \frac{25}{33} \quad \frac{63}{84} = \frac{3}{4} \quad \frac{81}{90} = \frac{9}{10}$$

For any fractions that can't be simplified, explore alternative numerators so that the fraction could be simplified.

Various answers, for example:

$$\frac{36}{49} \rightarrow \frac{42}{49} \quad \frac{7}{150} \rightarrow \frac{6}{150} \quad \frac{42}{55} \rightarrow \frac{45}{55} \quad \frac{121}{144} \rightarrow \frac{132}{144} \quad \frac{56}{81} \rightarrow \frac{54}{81}$$