

## Simplifying Fractions by Factoring the Numerator and Denominator

**Simplify by factoring the numerator and denominator.**

1)  $\frac{8}{20}$

2)  $\frac{15}{40}$

3)  $-\frac{24}{72}$

4)  $-\frac{30}{39}$

5)  $\frac{48}{80}$

6)  $\frac{63}{81}$

7)  $-\frac{28}{49}$

8)  $-\frac{15}{60}$

9)  $-\frac{90}{135}$

10)  $\frac{120}{125}$

11)  $-\frac{108}{120}$

12)  $\frac{300}{630}$

## Answers to Simplifying Fractions by Factoring the Numerator and Denominator

1)  $\frac{2}{5}$

2)  $\frac{3}{8}$

3)  $-\frac{1}{3}$

4)  $-\frac{10}{13}$

5)  $\frac{3}{5}$

6)  $\frac{7}{9}$

7)  $-\frac{4}{7}$

8)  $-\frac{1}{4}$

9)  $-\frac{2}{3}$

10)  $\frac{24}{25}$

11)  $\frac{9}{10}$

12)  $\frac{10}{21}$