

ANSWERS SIMPLIFYING FRACTIONS 1and2

Exercise Simplify 1

$$\frac{42}{58} = \frac{2 \times 3 \times 7}{2 \times 29} = \frac{21}{29}$$

$$\frac{36}{74} = \frac{2 \times 2 \times 3 \times 3}{2 \times 37} = \frac{18}{37}$$

$$\frac{93}{108} = \frac{3 \times 31}{2 \times 2 \times 3 \times 3 \times 3} = \frac{31}{36}$$

$$\frac{84}{140} = \frac{2 \times 2 \times 3 \times 7}{2 \times 2 \times 5 \times 7} = \frac{3}{5}$$

$$\frac{180}{207} = \frac{2 \times 2 \times 3 \times 3 \times 5}{3 \times 3 \times 23} = \frac{20}{23}$$

$$\frac{36}{60} = \frac{2 \times 2 \times 3 \times 3}{2 \times 2 \times 3 \times 5} = \frac{3}{5}$$

$$\frac{126}{210} = \frac{2 \times 3 \times 3 \times 7}{2 \times 3 \times 5 \times 7} = \frac{3}{5}$$

$$\frac{390}{220} = \frac{2 \times 3 \times 5 \times 13}{2 \times 2 \times 5 \times 11} = \frac{39}{22}$$

Exercise Simplify 2

$$\frac{152}{323} = \frac{2 \times 2 \times 2 \times 19}{17 \times 19} = \frac{8}{17}$$

$$\frac{187}{357} = \frac{11 \times 17}{3 \times 7 \times 17} = \frac{11}{21}$$

$$\frac{130}{195} = \frac{2 \times 5 \times 13}{3 \times 5 \times 13} = \frac{2}{3}$$

$$\frac{224}{252} = \frac{2 \times 2 \times 2 \times 2 \times 2 \times 7}{2 \times 2 \times 3 \times 3 \times 7} = \frac{8}{9}$$