

# SIMPLIFYING FRACTIONS

1. Write the fraction

$$\frac{6}{24}$$

2. Find the factors of the numerator and denominator

$$\begin{array}{c|c} 6 & \\ \hline 1 & 6 \\ 2 & 3 \end{array}$$

$$\begin{array}{c|c} 24 & \\ \hline 1 & 24 \\ 2 & 12 \\ 3 & 8 \\ 4 & 6 \end{array}$$

3. List each number's factors and circle the ones they have in common and find the GCF

$$6: 1, 2, 3, 6$$

$$\text{GCF: } 6$$

$$24: 1, 2, 3, 4, 6, 8, 12, 24$$

4. Take the GCF and divide the numerator and denominator by it to get the simplified fraction!

$$\frac{6}{24} \div \frac{6}{6} = \frac{1}{4}$$