

**QUICK TIP!**

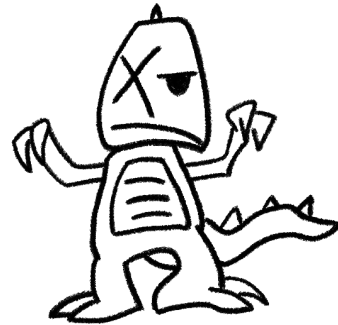
Hey Kids! Time for a super fun math lesson, courtesy of Math Madness!

**SIMPLIFYING FRACTIONS**

We can simplify fractions that have common factors in both the numerator and denominator. We do this by dividing both the top and the bottom with their greatest common factor (GCF). For example:

$$\frac{5}{30} = \frac{5 \div 5}{30 \div 5} = \frac{1}{6}$$

$$\frac{24}{30} = \frac{24 \div 6}{30 \div 6} = \frac{4}{5}$$



So how do we find the greatest common factor? A simple way is to write out all factors of the numerator and denominator and pick the biggest one both have in common. Ex:

5: 1, **5**  
30: 1, 2, 3, **5**, 6, 15, 30

GCF of 5 and 30 = 5

24: 1, 2, 3, 4, **6**, 8, 12, 24  
30: 1, 2, 3, 5, **6**, 10, 15, 30

GCF of 24 and 30 = 6

**TRY IT!**

$$\frac{2}{16} =$$

$$\frac{5}{25} =$$

$$\frac{10}{16} =$$

$$\frac{6}{54} =$$

$$\frac{7}{21} =$$

$$\frac{4}{18} =$$

$$\frac{3}{30} =$$

$$\frac{15}{39} =$$

$$\frac{8}{24} =$$

$$\frac{9}{36} =$$

$$\frac{6}{42} =$$

$$\frac{14}{68} =$$