

**QUICK TIP!**

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

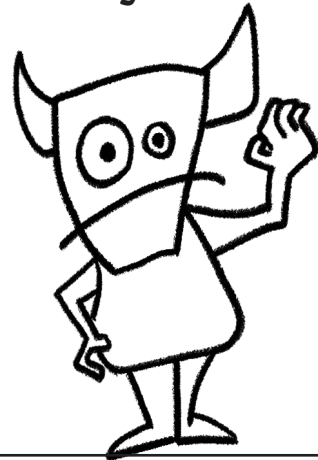
**MULTIPLYING BY FRACTIONS**

If you are multiplying or dividing a whole number by a fraction:

- Convert the whole number to an improper fraction. You can do this by simply taking the number and putting it over a denominator of 1.
- Then use what you already know about multiplying and dividing fractions by fractions.

$$15 \times \frac{2}{3} = \frac{15}{1} \times \frac{2}{3} = \frac{15 \times 2}{1 \times 3} = \frac{30}{3} = 30 \div 3 = 10$$

$$12 \div \frac{2}{3} = \frac{12}{1} \times \frac{3}{2} = \frac{12 \times 3}{1 \times 2} = \frac{36}{2} = 36 \div 2 = 18$$

**TRY IT: MULTIPLICATION!**

$$32 \times \frac{1}{4} = \underline{\hspace{2cm}}$$

$$135 \times \frac{2}{5} = \underline{\hspace{2cm}}$$

$$33 \times \frac{1}{3} = \underline{\hspace{2cm}}$$

$$14 \times \frac{4}{7} = \underline{\hspace{2cm}}$$

$$8 \times \frac{5}{4} = \underline{\hspace{2cm}}$$

$$2 \times \frac{7}{2} = \underline{\hspace{2cm}}$$

**TRY IT: DIVISION!**

$$21 \div \frac{3}{4} = \underline{\hspace{2cm}}$$

$$15 \div \frac{5}{2} = \underline{\hspace{2cm}}$$

$$6 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

$$8 \div \frac{2}{3} = \underline{\hspace{2cm}}$$

$$54 \div \frac{2}{3} = \underline{\hspace{2cm}}$$

$$212 \div \frac{4}{2} = \underline{\hspace{2cm}}$$