

John Doe
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Block A

Math 8
Mr. Ursulak
Room 101

Lesson 0.3: Long Multiplication & Division

Warm-Up:

Identify the number as a proper fraction, improper fraction, or mixed number.

$$\frac{7}{5} \quad \frac{12}{10} \quad 3\frac{1}{8} \quad \frac{3}{7} \quad -2\frac{1}{2} \quad \frac{5}{12}$$

improper fraction improper fraction mixed number proper fraction mixed number proper fraction

Lesson: Fractions

A fraction is a number written as two numbers, one over the other, divided by a horizontal line. The top number is the numerator. The bottom number is the denominator. The line is the vinculum.

A unit fraction is a fraction with a numerator of one.

Fractions are expressed in lowest terms if there is no common factor (except 1) shared by the numerator and denominator. Example:

$$\frac{280}{420} \xrightarrow{\div 10} \frac{28}{42} \xrightarrow{\div 2} \frac{14}{21} \xrightarrow{\div 7} \frac{2}{3}$$

lowest terms