

# M8 - 6.3 - Mixed Numbers Improper Fractions Notes

Mixed fraction

Fraction

$$2\frac{3}{5} \longleftrightarrow \frac{13}{5}$$

Mixed fraction  $\longrightarrow$  Fraction

$$\begin{aligned} 2\frac{3}{5} &= \frac{\text{bottom} \times \text{left} + \text{top}}{\text{bottom}} \\ &= \frac{5 \times 2 + 3}{5} \\ &= \left( \frac{13}{5} \right) \end{aligned}$$

Fraction  $\longrightarrow$  Mixed fraction

$$\frac{13}{5}$$

=

$$\left( 2\frac{3}{5} \right)$$

remainder

bottom

$$\begin{aligned} 5 \times 2 &= 10 \\ 13 - 10 &= 3 \\ \text{remainder} &= 3 \end{aligned}$$

Bottom goes into top