

Improper Fractions to Mixed Numbers by DRD Steps

Divide **R**emainder **D**enominator



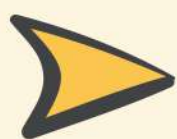
$$\frac{40}{6} = 6 \frac{4}{6}$$

Annotations: An arrow labeled '%' points from the fraction to the division step. An arrow labeled 'Same quotient denominator' points from the 6 and 6 in the mixed number to the 40 and 6 in the fraction. An arrow labeled 'Remainder' points from the 4 in the numerator of the fraction to the 4 in the numerator of the mixed number.

$$40 \div 6 = 6 : \text{remainder } 4$$

$$\text{So, } \frac{40}{6} = 6 \frac{4}{6} = 6 \frac{2}{3}$$

Simplified mixed number



$$\frac{12}{5} = 2 \frac{2}{5}$$

Annotations: An arrow labeled '%' points from the fraction to the division step. An arrow labeled 'Quotient as whole number' points from the 2 in the mixed number to the 12 and 5 in the fraction. An arrow labeled 'Remainder as Numerator' points from the 2 in the numerator of the fraction to the 2 in the numerator of the mixed number.

$$12 \div 5 = 2 : \text{remainder } 2$$

The denominator (5) remains same in the mixed number.

$$\frac{12}{5} = 2 \frac{2}{5}$$