

Flow Chart of Improper Fractions to Mixed Numbers

a)

Improper fraction

$\frac{246}{25}$, with a larger numerator

Convert the improper fraction to mixed number

$$246 \div 25$$

$$= 25 \overline{) 246}$$

$$\quad 9 \quad \text{quotient}$$

$$\quad \underline{225}$$

$$\quad \quad 21 \quad \text{Remainder}$$

The remainder will be the numerator, which is 21 and the quotient will be the whole number, which is 9. The numerator stays same, which is 25.

$9 \frac{21}{25}$

mixed number

b)

Improper fraction

$\frac{186}{15}$, with a larger numerator

Convert the improper fraction to mixed number

$$186 \div 15$$

$$= 15 \overline{) 186}$$

$$\quad 12 \quad \text{quotient}$$

$$\quad \underline{15}$$

$$\quad \quad 36$$

$$\quad \quad \underline{30}$$

$$\quad \quad \quad 6 \quad \text{Remainder}$$

The remainder will be the numerator, which is 6 and the quotient will be the whole number, which is 12. The numerator stays same, which is 15.

$12 \frac{6}{15} = 12 \frac{2}{5}$

mixed number