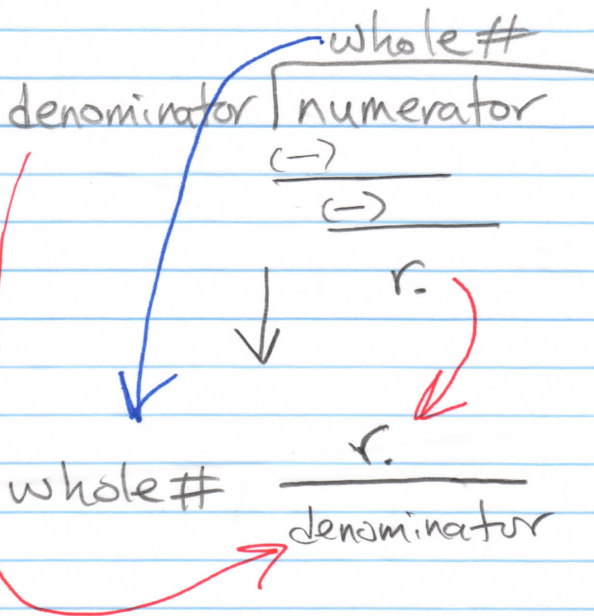


How to change an improper fraction to a mixed number

$$\frac{\text{numerator}}{\text{denominator}}$$

$$\text{denominator} \overline{) \text{numerator}}$$



- Divide numerator by denominator

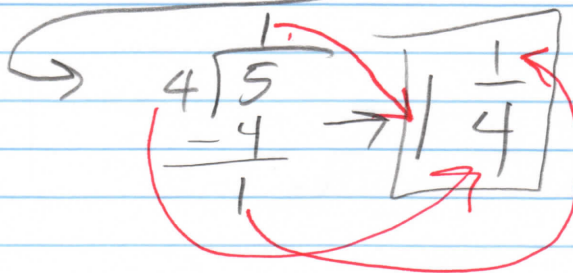
- Give a fraction remainder

ask yourself, "How many whole times does the denominator "go into" the numerator?"

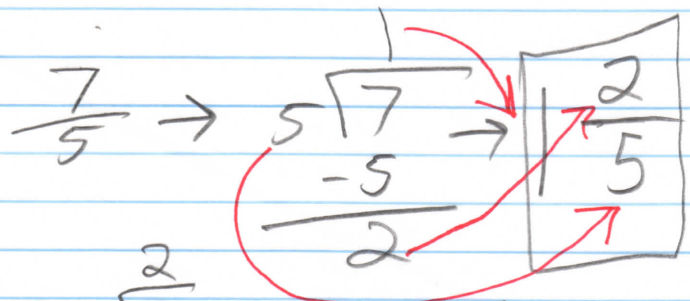
- The answer will be the whole number.

- put your remainder on top of the denominator

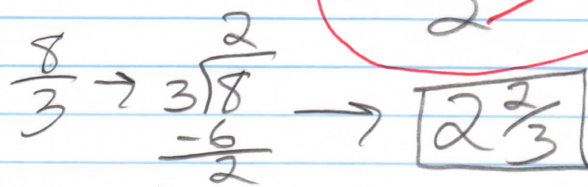
ex. 1 $\frac{5}{4} \rightarrow 4 \overline{) 5}$



ex. 2



ex. 3



How to change a mixed number to an improper fraction

whole number $\frac{\text{numerator}}{\text{denominator}}$

$$w \frac{n}{d}$$

$$w \times d + n$$

↓

$$\frac{d \times w + n}{d}$$

ex. 1

$$3 \frac{1}{4}$$

$$\frac{4 \times 3 + 1}{4}$$

↓

$$\frac{13}{4}$$

WHY? to multiply and divide mixed numbers

Multiply the denominator times the whole number and then add the numerator.

keep the same denominator and put the answer on top.

ex. 2

$$5 \frac{4}{7} = \frac{39}{7}$$

ex. 3

$$7 \frac{3}{8} = \frac{59}{8}$$