

NAME: _____

DATE: _____

BLOCK: _____

Lesson 11 – Addition & Subtraction of Fractions

Rules for ADDING and/or SUBTRACTING fractions:

1. Convert all mixed fractions to improper fractions.
2. Find a common denominator.
3. Keeping the denominator the same, either add or subtract the numerators.
4. Convert your answers to mixed fractions if necessary and reduce your fraction.

Example: $\frac{2}{3} + \frac{4}{5} =$

#1 CD = 15

$$\frac{2 \times 5}{3 \times 5} = \frac{10}{15}$$

$$\frac{4 \times 3}{5 \times 3} = \frac{12}{15}$$

Example: $5\frac{1}{4} - 3\frac{5}{6} =$

#1 Convert to improper fraction

$$5\frac{1}{4} = \frac{21}{4}$$

$$3\frac{5}{6} = \frac{23}{6}$$

#2

$$\frac{10}{15} + \frac{12}{15} = \frac{22}{15}$$

add
stays the same

#2 CD = 12

$$\frac{21 \times 3}{4 \times 3} = \frac{63}{12}$$

$$\frac{23 \times 2}{6 \times 2} = \frac{46}{12}$$

#3

$$\frac{22}{15}$$

convert to a mixed fraction and reduce if needed

$$= 1\frac{7}{15}$$

#3

$$\frac{63}{12} - \frac{46}{12} = \frac{17}{12}$$

subtract
stays the same

#4 Convert to a mixed fraction and/or reduce

$$\frac{17}{12} = 1\frac{5}{12}$$