Fractions

Remember :

Fraction Procedure:

- 1. Changes mixed numbers into improper fractions
- 2. Then apply the appropriate main rule:
 - a. When doing addition and subtraction of fractions the denominators need to be the same.
 - b. When doing **multiplication** just times the numerators and then the denominators.
- 3. When you have the answer then simplify.
- 4. Turn back into a mixed number if possible.

ORDER OF OPERATION

- 1. Brackets First
- 2. X and ÷ from Left to right

3. + and – from left to

right

Fractions



Decimals

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Decimals to Common Fractions

$$0.8 = \frac{8}{10}$$
$$= \frac{4}{5}$$
$$1.18 = 1\frac{18}{100}$$
$$= 1\frac{9}{50}$$

Common Fractions to Decimals

$$\frac{2}{3} = 2 \div 3$$
$$= 0.66666$$
$$\div 0.67$$
$$\frac{7}{8} = 7 \div 8$$
$$= 0.875$$

0.88

Recurring: The same number recurs **Terminating:** Ends **Non-terminating:** same couple of numbers repeating over and over.

Multiplying Decimal

When multiplying by a decimal ignore the decimal point and multiply together.

Dividing Decimal

When dividing by a decimal we change the divisor into a whole number by moving the decimal place the require number of spaces on both sides.

 $0.8 \div 0.04 = 8)_{0.4} = 8)_{0.4} = 8)_{0.40}$

When adding or subtracting decimal make sure the decimal point

is in a line above each other.