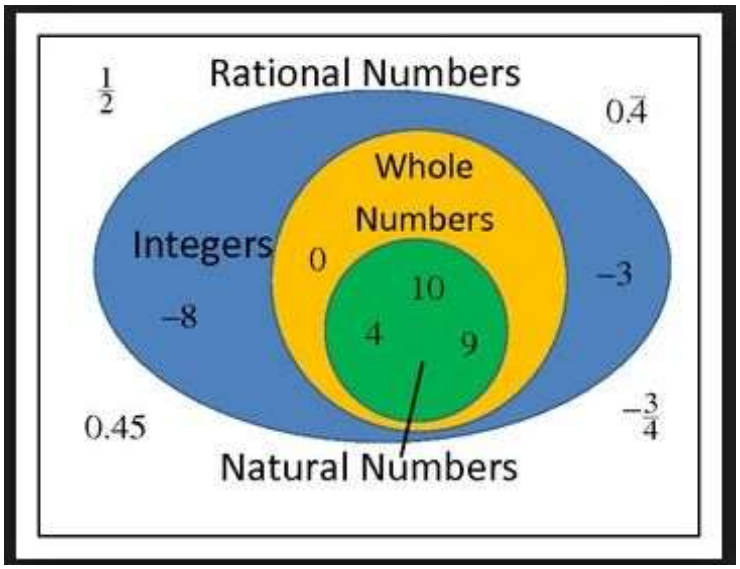
- **Rational number** -
- Definition: A number that can be written as a fraction.



Please note:

- the denominator can NOT be zero

- It can be a terminating or a repeating decimal.

Adding and Subtracting Fractions (positive & negative)

- If given mixed numbers, change to improper fractions. (Easier when working with negatives.)
- Find a common denominator.
- Add or subtract the numerators, following the rules for integers.
- Keep the denominator the same.

Example 1

$$-\frac{3}{4}+1\frac{1}{2}=$$

Example 2

$$2\frac{5}{8} - \left(-\frac{2}{5}\right) =$$

Example 3

$$-3\frac{1}{2} - \frac{4}{7} =$$

Complete this problem with a partner.

Example 4

$$\frac{2}{3} - \frac{9}{10} =$$

Complete this problem with a partner.

Example 5

$$\frac{5}{6} - 3\frac{1}{12} =$$

Complete this problem with a partner.