

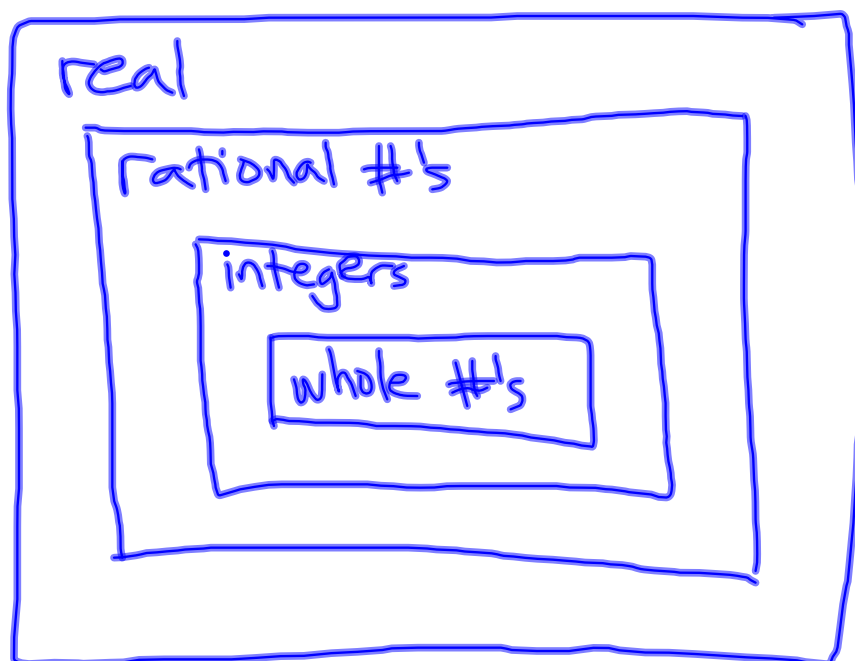
Whole numbers: 0, 1, 2, 3

Integers: -3, -2, -1, 0, 1, 2, 3 ...

Rational #'s: $\frac{\text{integer}}{\text{integer}}$ $\frac{3}{2}$,
 $\frac{-5}{-12}$, $-2.5 \rightarrow \frac{-5}{2}$

Real #'s: Includes irrational #'s

π, e



Rules of addition

→ if adding two #'s of the same sign — add & use sign

$$3 + 4 = 7$$

$$-3 + -11 = -14$$

greater absolute value.

→ if adding two #'s with different signs — subtract the smaller # from the larger & use sign of larger #

$$-11 + 17 = 6$$

$$-12 + 6 = -6$$

Subtracting two numbers

$$a - b = a + -b$$

$$a + b - c + d - e - f + g = a + b + -c + d + -e + -f + g$$

properties of addition:

- Commutative

$$a+b = b+a$$

$$a-b \neq b-a$$

$$a+^{-}b = ^{-}b+a$$

- transitive =

$$(a+b)+c = a+(b+c)$$

- identity:

$$a+0 = a$$

- inverse:

$$a+^{-}a = 0$$

p.67: 4-44 (every 4th), 58

p.77: 4-20 (every 4th), 32, 36, 42

p.82: 4-24 (every 4th)