Operators:

3+4

#’s operands and + operator

Return results; also have an order in which they are executed (Precedence)

Associativity- rightleft and leftright

There is a precedence table online

Integer Division:

Remainder is DISCARDED

¾ = 0 CAN BE A PROBLEM

Modulo Operator:

Returns the remainder of the division

Helpful with conversion

Conversions:

Data value from 1 type to another

Widening – preserves info

Narrowing conversions – loses data; Not automatic

Arithmetic Promotion:

If wide and narrow:

Convert to wide and then executes

Promotion Surprises:

You assign to a double but it doesn’t work

Casting:

I know what I am doing

Put (int)

Ex double money = a

Int dollars = (int) money;

(int) needed for clarification

Rounding:

Use the Math.round

Static methods:

Independent of the state

Does not need an object for it to be used