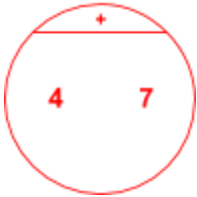# Bootstrap:Algebra - Big Ideas

Expression: 4 + 7

Circle of Evaluation:

Code: **(+ 4 7)**

Data Types:

- Number
- String
- Image
- Boolean

Key Words:
("Function Imposters"):

- define
- EXAMPLE
- cond

The Design Recipe:

- Contract & Purpose Statement
- Examples
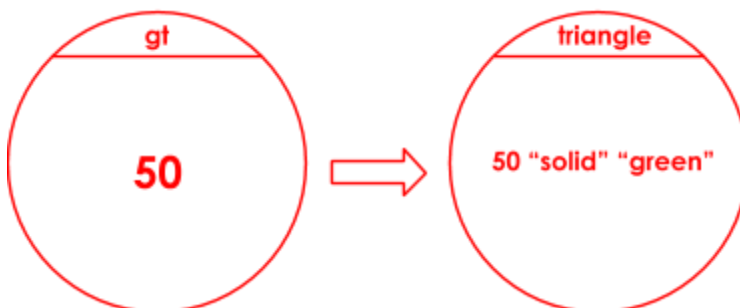- Function definition

Contract:

- Function name
- Domain
- Range

Purpose Statement:

A comment that describes what the function does.

A good purpose statement should contain everything important about the problem.

Examples Mapping:

(gt 50) → (triangle 50 "solid" "green")

Cond:

Each "branch" of a conditional must evaluate to a Boolean

Use `else` when there are meaningful "other" cases that could occur