

COMPUTING · GRADES 5–6

Data Types

How computers organize information

Five main data types

1

Integer (int)

A whole number — positive, negative, or zero. No decimal point.

Example: 5, -10, 0, 42, 1000

2

Float / Decimal

A number WITH a decimal point.

Example: 3.14, -0.5, 100.0, 2.7182

3

String (str)

A piece of text, written in quotes.

Example: "hello", "Grade 5", "32 Acacia Avenue"

4

Boolean (bool)

TRUE or FALSE. Just two values.

Example: isLoggedIn = True · isHungry = False

5

List / Array

A collection of values in order.

Example: ["red", "green", "blue"] or [1, 2, 3, 4, 5]

Which data type would you use for...

1. A person's age?



2. A person's name?
3. Whether a door is locked or unlocked?
4. The price of an item?
5. A list of all students in a class?
6. How many lives a player has left in a game?
7. A YES / NO answer to a survey question?

