

Panel 1

Last time:  
Class / fields  
 / methods

Define new types (e.g. Fraction)

Initialized (Instantiated) via "new"

-new allocates memory and  
 creates a new object in memory  
 of the class type.

1

Panel 2

Ex. public class Fraction  
 {  
 ...  
 }

one class  
 (blueprint)

elsewhere:

Fraction f1 = new Fraction();  
 Fraction f2 = new Fraction();

} many  
 objects  
 that  
 live in  
 RAM

One special method: constructor

- is called when make object
- method with class name, no return type.

2

Panel 3

The special keyword "this" refers to the object itself, and its members.

Recall: Length:

has : value, scale (2 fields)

does : convert, add (methods)  
(constructor)

feet to meter : mult by 3.2809

meter to feet : divide by 3.2809

3

Panel 4

To restrict access to class members, I can  
use access modifiers

public - everyone can access

private - only class itself can access

protected } should not be used yet  
none - }

4