Panel 1

- Last time: class methods
- Define new objects (e.g., Fraction)
- Initialized (Instantiated) via "new"
- New allocates memory and creates a new object in memory of the class type.

Panel 2

```java
type public class Fraction {

    
    
    \( f1 = \text{new Fraction}(); \)
    \( f2 = \text{new Fraction}(); \)

    
    
    
    One special method: constructor
    - is called when make object
    - method will class name, no return type
```

(Blue print)
Panel 3

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

Recall: Length:

- has: value, scale (2 fields)
- does: subtract, add (methods)
  (constructor)

Feet to inches: multiply by 12.0
Inches to feet: divide by 12.0

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

Note: