

## Warm-up

1. Arrange these numbers in order from smallest to largest.

35.89 thousand    0.34 billion    345 thousand    34.5 million

35.89 thousand    345 thousand    34.5 million    0.34 billion  
340 million

Estimate whether each of the following is in hundreds, thousands, ten thousands, or hundred thousands.

hundreds    thousands    ten thousands    hundred thousands

2.  $75,800 \cdot 12$     hundred thousands

3.  $893 + 756 + 9804$     ten thousands

4.  $2.5 \text{ million} \div 30$     ten thousands

5.  $23 \cdot 58 \cdot 616$     hundred thousands

## 2-1 Numbers and Estimates

How are numbers used?

Identify

Student ID number

Order

4th place

6 period day

Count

# of Students in class

Measure

4 miles Temperature

## Exact or Estimated

Tell whether each number can be exact or estimated.

Tell whether each number is used for identifying, ordering, counting, or measuring.

***Exact***   ***Estimated***   identify   order   count   measure  
measure

A student's ID number.

***Exact***   identify

Population of a state capital.

***Estimated***   count

Length of time it takes to read a book.

***Estimated***   measure

## Example 2

Estimate whether each value is in the hundreds, thousands, millions or billions.

1. Length of the Mississippi River in miles. **billions**

**thousands**

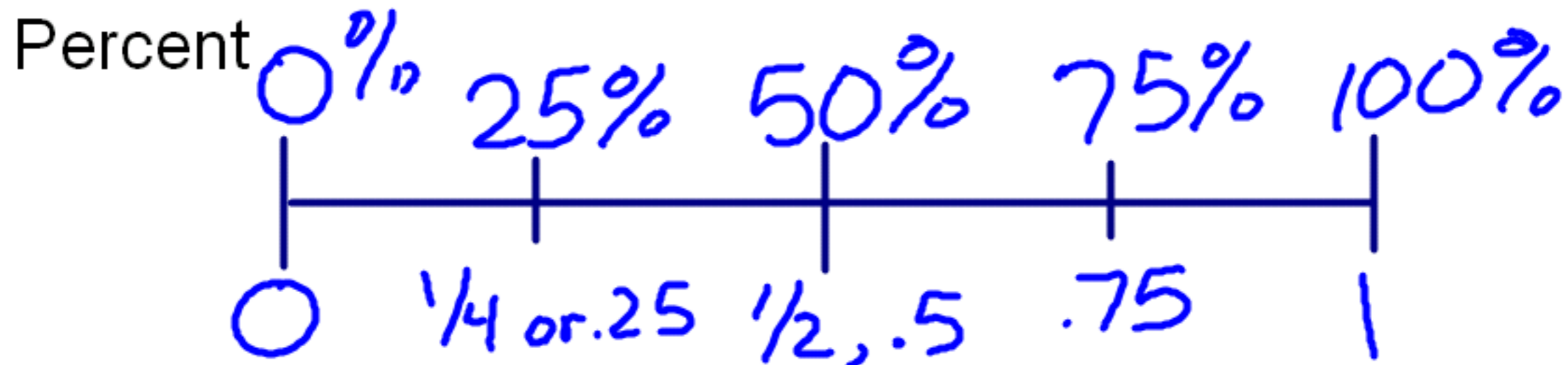
2. Number of people in California.

**millions**

3. Weekly salary of a person who earns \$25,000 / year.

**hundreds**

Estimating Probability - use information about events that have already occurred to estimate probability.



Probability

More likely to happen  
certain

Less likely to happen

Impossible

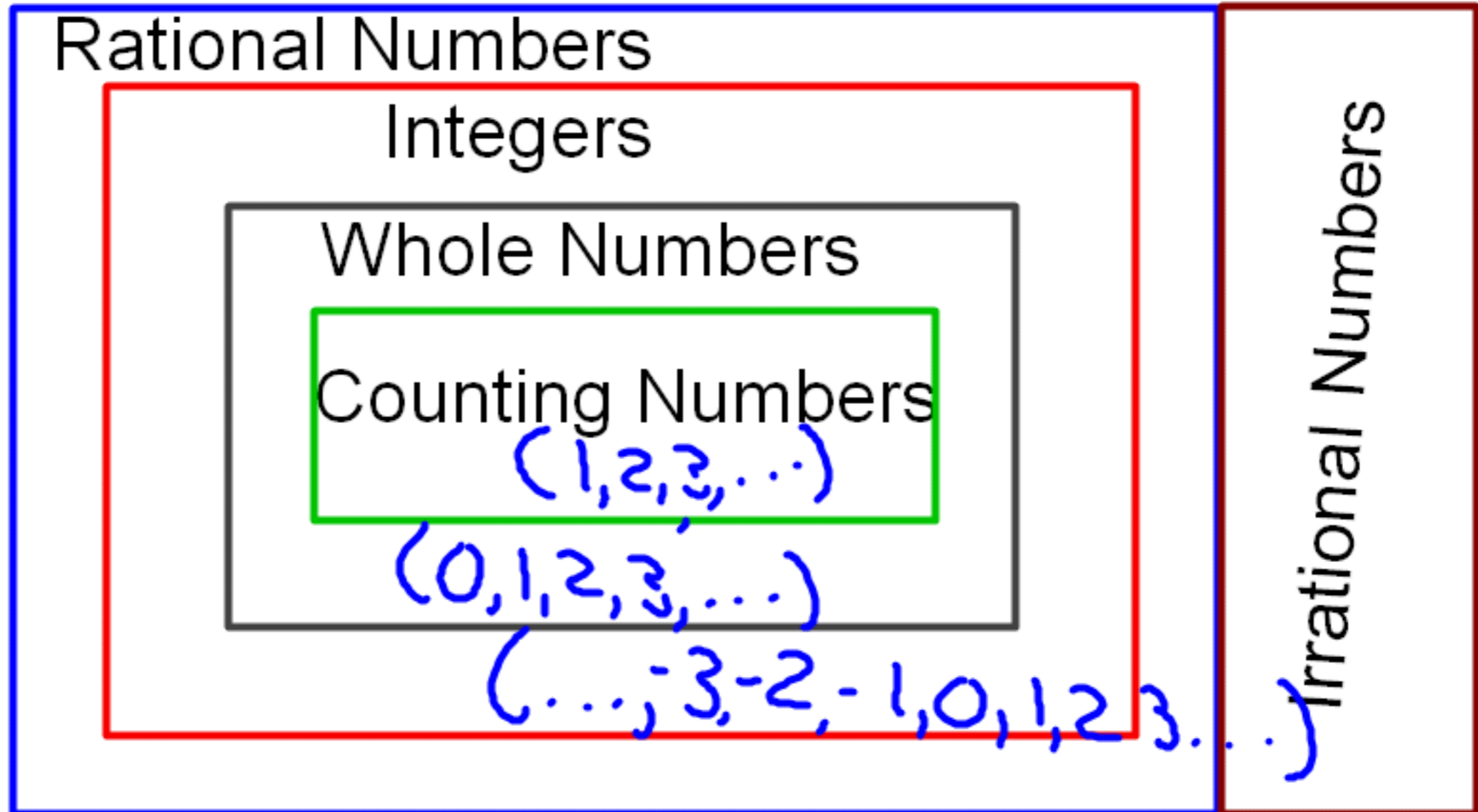
Not probable

**Continuous** - Quantities that are measured.

**Discrete** - Quantities that are counted.

PROMETHEAN

# Real Number System



## **HW Summary 9/22/08**

**1. Practice 5 #19**

**2. Pg. 41 #23**

**3. Pg. 47 #10**

**4. Pg. 620 #53**