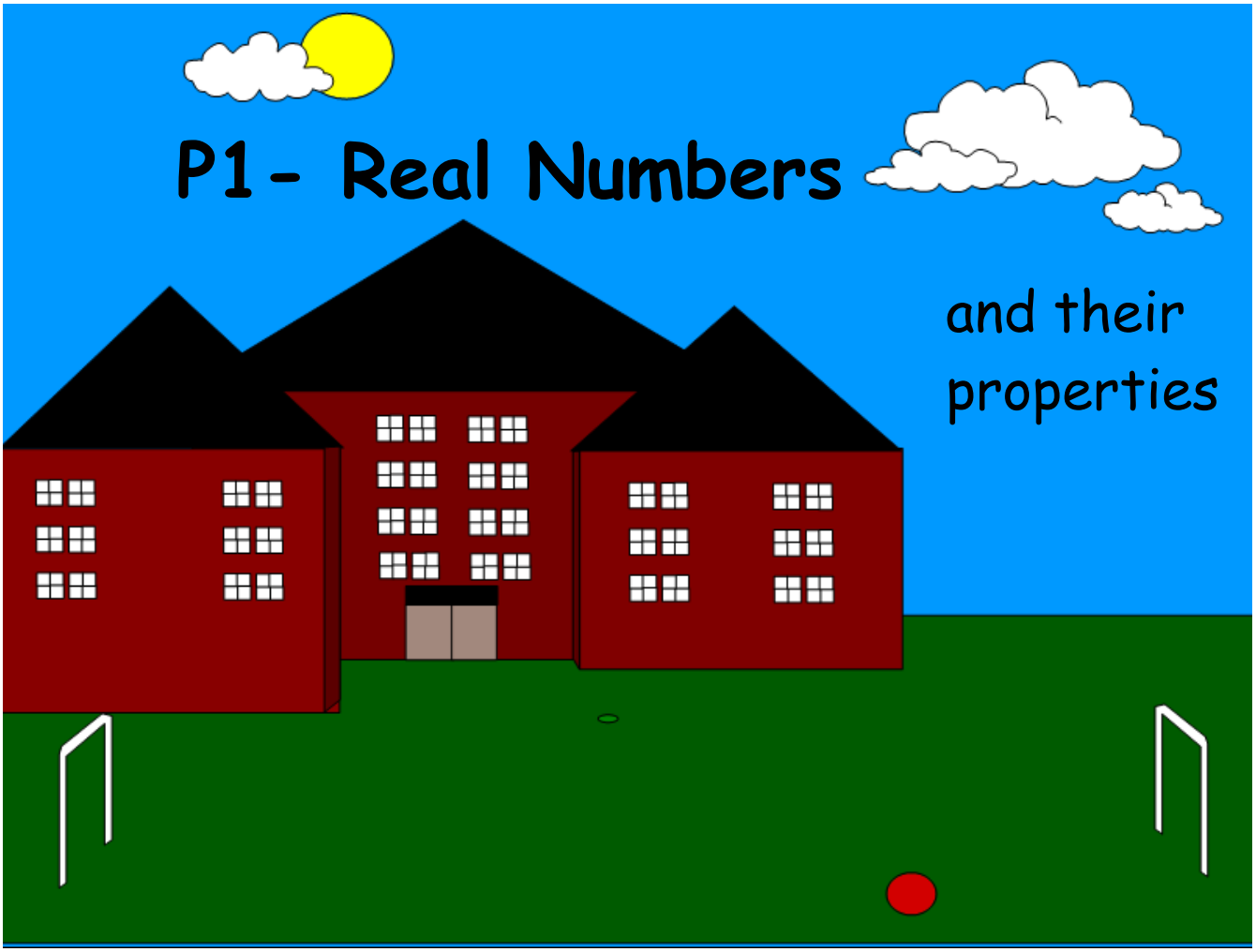
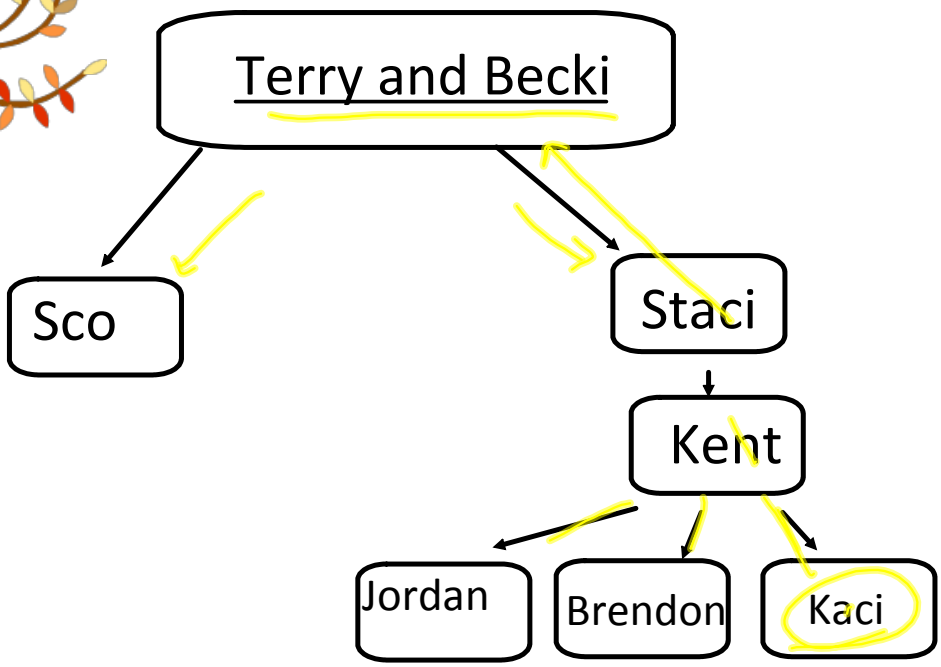

P1- Real Numbers
and their properties

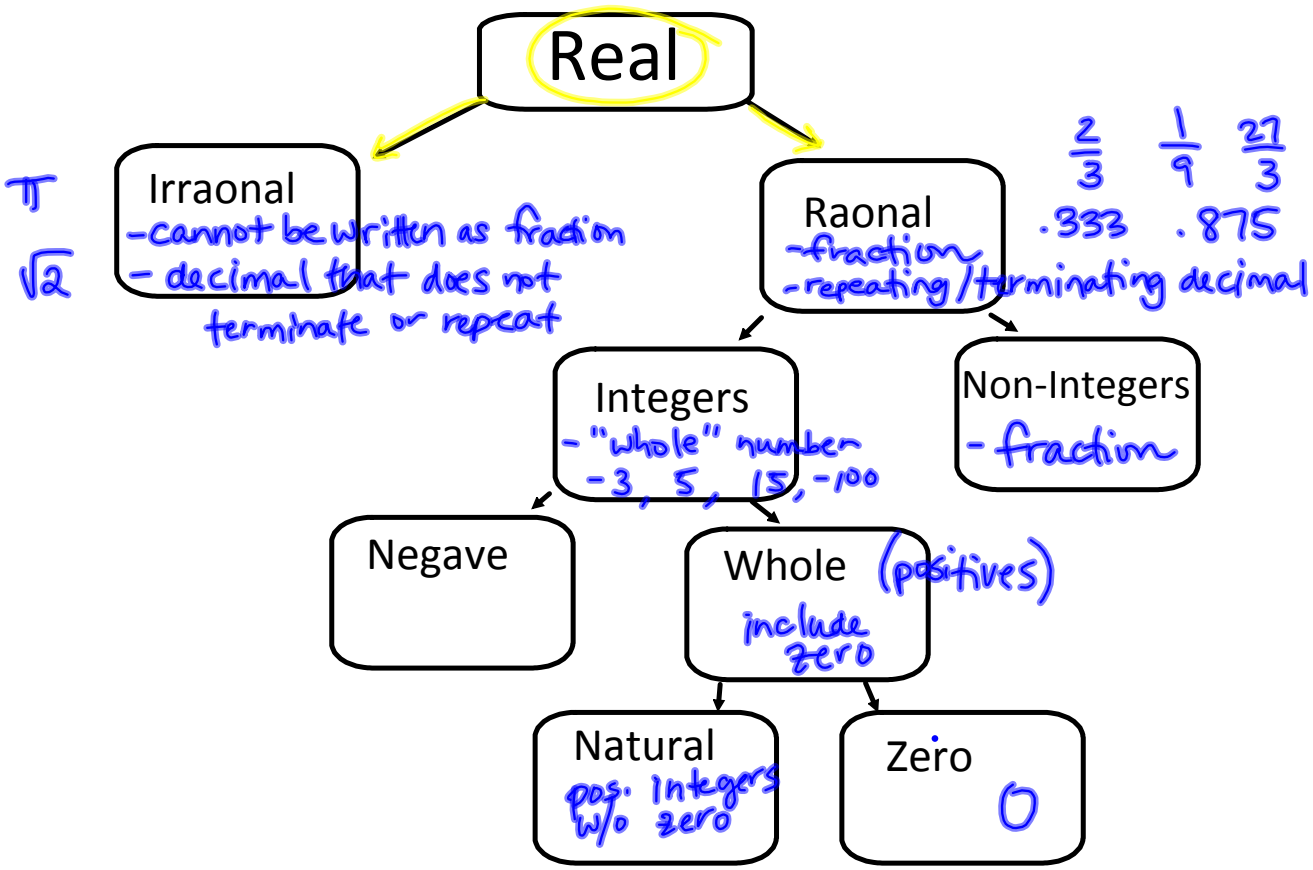
Task:

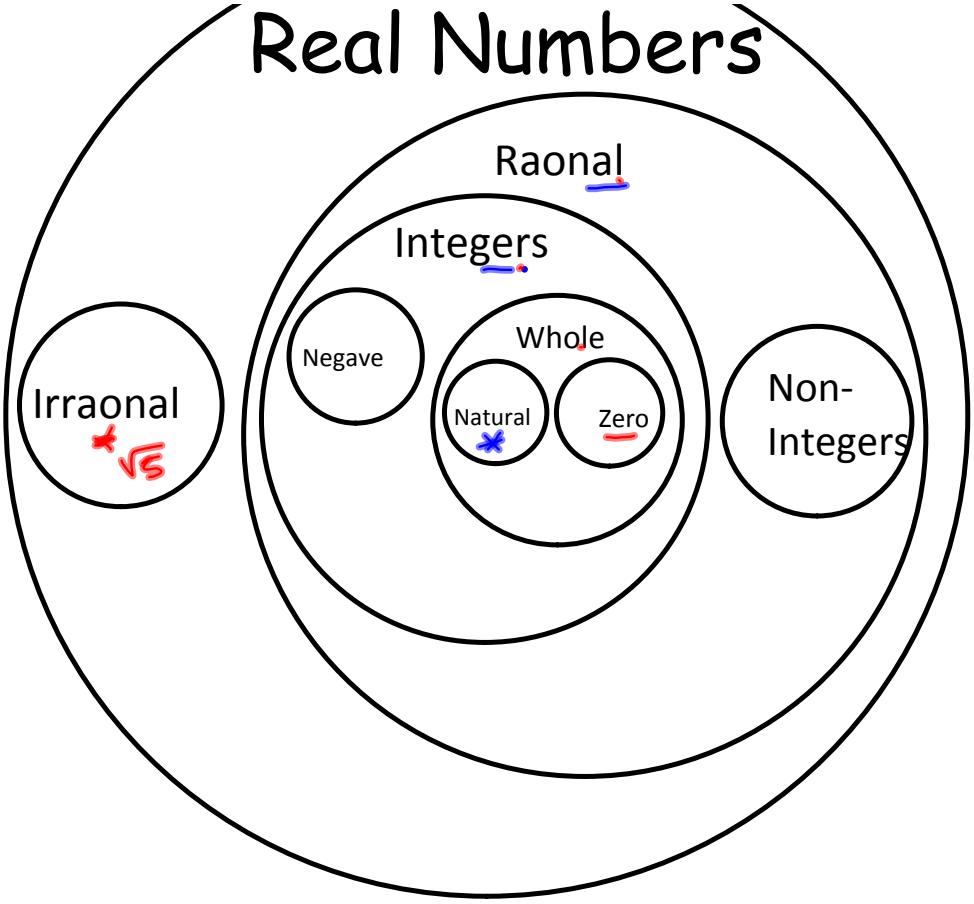
Form teams and play Bocce Ball!

players?
Rules?
point?


Terry and Becki
Sco
Staci
Kent
Jordan
Brendon
Kaci

Real Numbers




Real Numbers
Raonal
Integers
Negave
Whole
Natural
Zero
Irraonal
√5
Non-
Integers

Interpreting inequalities:

a) c is at most 2

$c \leq 2$, $(-\infty, 2]$

lowest, highest

b) m is at least -3

$-3 \leq m$ $[-3, \infty)$

c) All x in the interval (-3, 5]

$-3 < x \leq 5$

(open dot

[closed dot

$\leq$ $\geq$ [

$<$ $>$ (

Basic Rules of Algebra:

- Commutave Property (add + mult.)

  $3+2 = 2+3$ $\qquad 5 \cdot 7 = 7 \cdot 5$

- Associave Property (add + mult.)

  $(3+2)+6 = 3+(2+6)$ $\qquad (5 \cdot 7) \cdot 2 = 5 \cdot (7 \cdot 2)$

- Distribuve Property

  $3(2+5) = 3 \cdot 2 + 3 \cdot 5$

  $(2+5)^2 \neq 2^2+5^2$ No!

- Addive Identy

  $3+0 = 3$ $\qquad a+0 = a$

- Mulplicave Identy

  $3 \cdot 1 = 3$ $\qquad a \cdot 1 = a$

- Addive Inverse $=0$

  $3 + -3 = 0$ $\qquad a + -a = 0$

- Mulplicave Inverse $=1$

  $2 \cdot \left(\frac{1}{2}\right) = 1$ $\qquad a \cdot \left(\frac{1}{a}\right) = 1$

HW:

- Vocab
- Pg 9 # 5, 22, 23, 38, 47, 59, 66, 83, 86-96 evens, 111