

Mental Jumping Jacks

Today's Topic: **Real Numbers**

True or false:

$$\begin{array}{l} \sqrt{9} \\ = 3 \end{array} \quad \sqrt{6}$$

1. $1/2 = 0.5$?

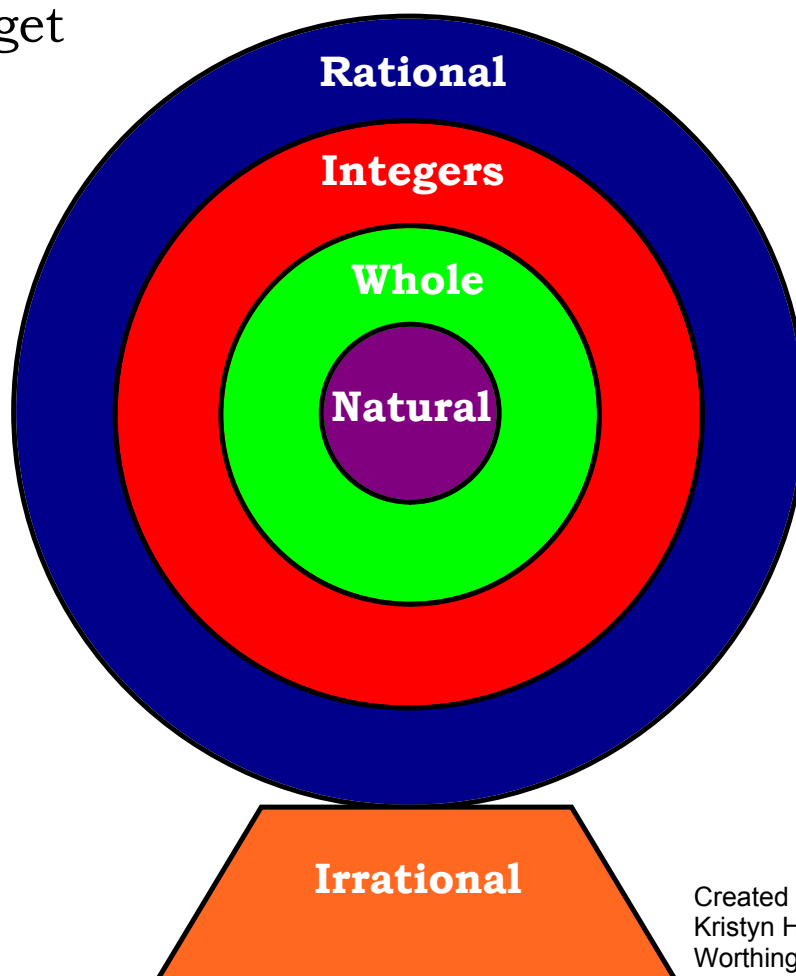
2. $1/3 = 0.33$?

3. $\sqrt{4} = 2$?

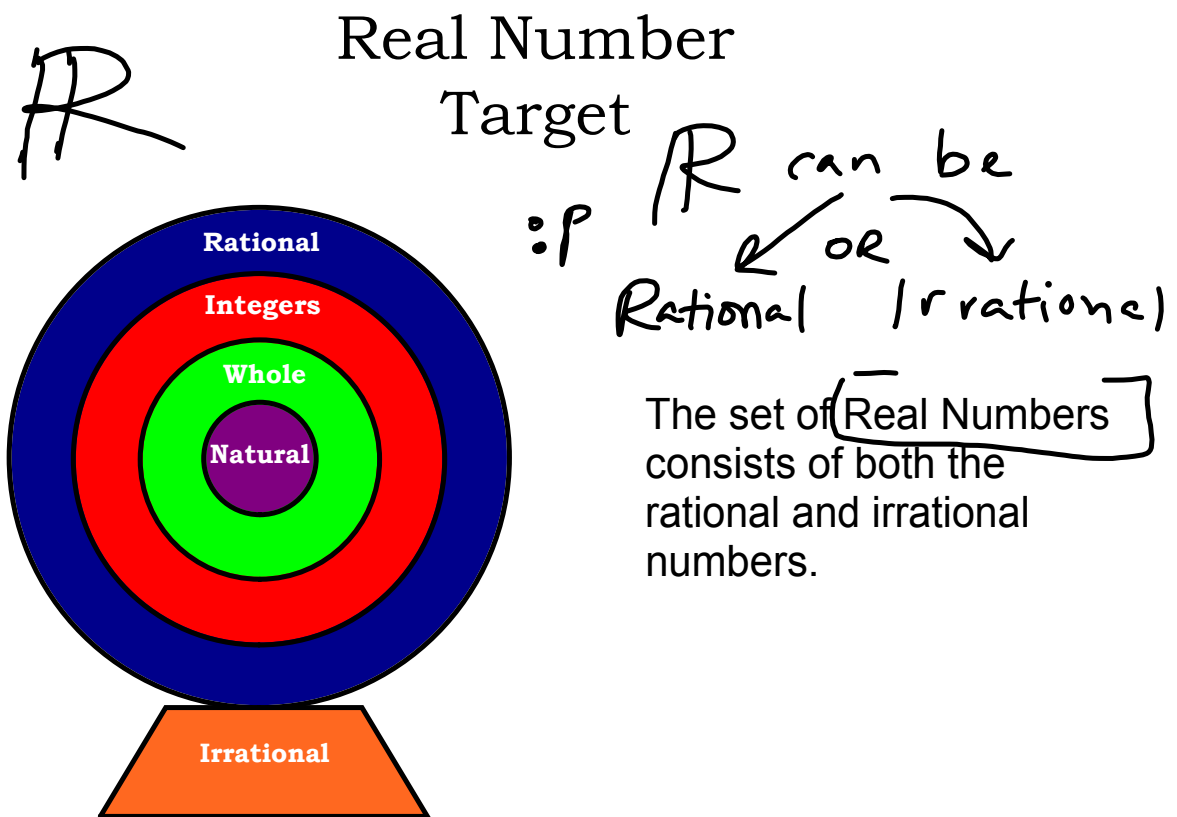
4. What is temperature measured in?

5. What can you measure height in?

Real Number
Target



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Worthington



Natural Numbers

617

13

36

12

3

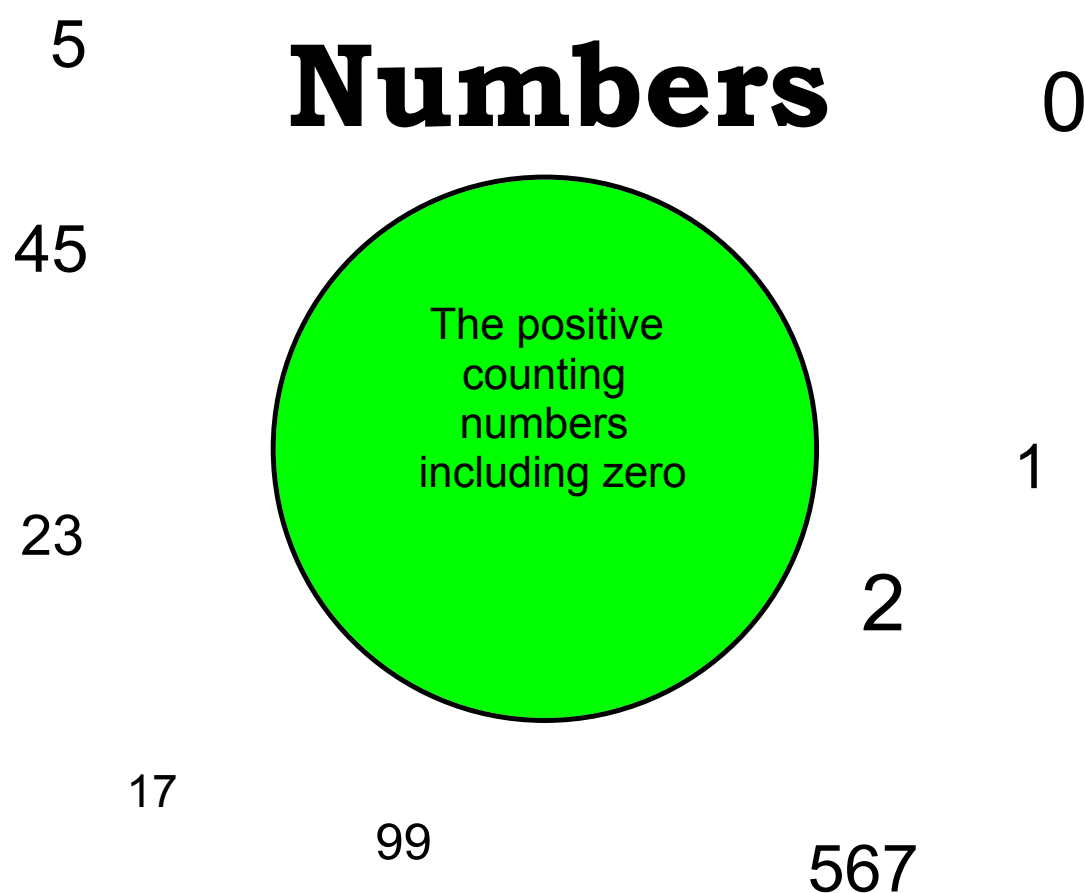
The positive counting numbers excluding zero

1

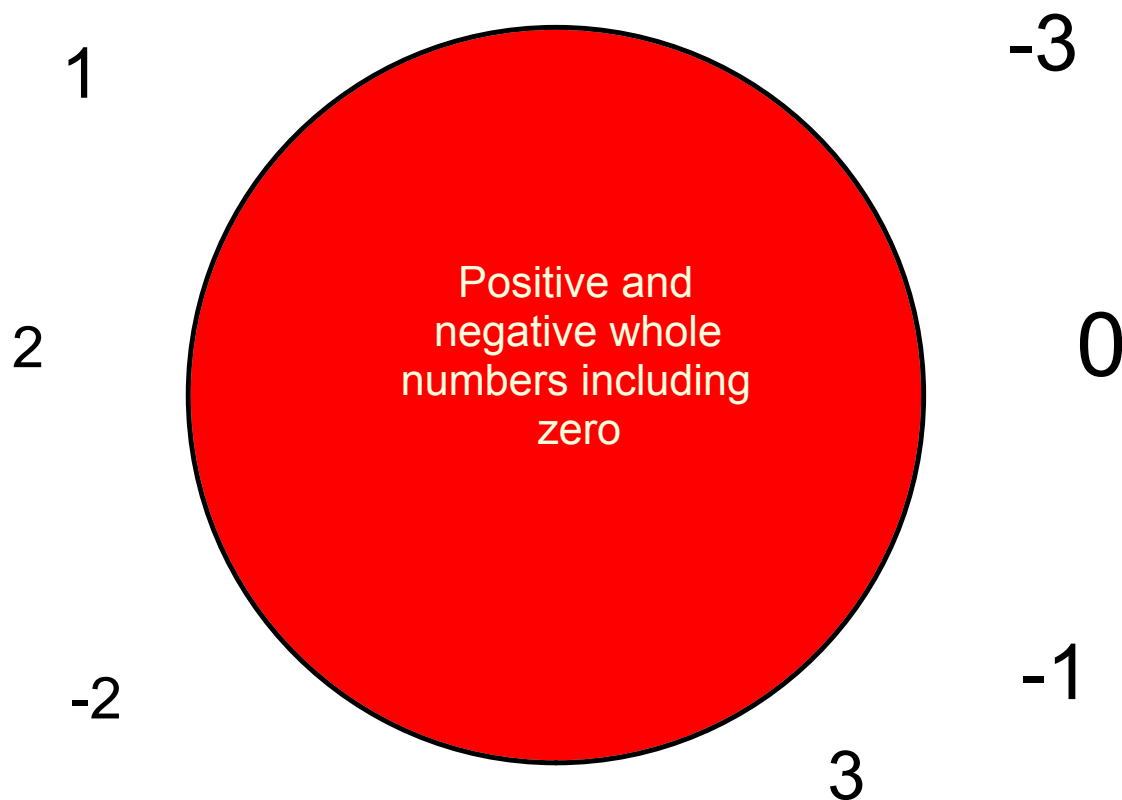
17

2

Whole Numbers



Integers



Rational Numbers

$$\frac{26}{7}$$

$$8\frac{13}{99}$$

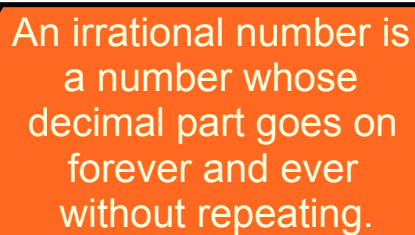
$$-\frac{2}{5}$$

$$3$$

$$0$$

Includes fractions, regular counting numbers, negative numbers, terminating decimals and repeating decimals.

Irrational Numbers

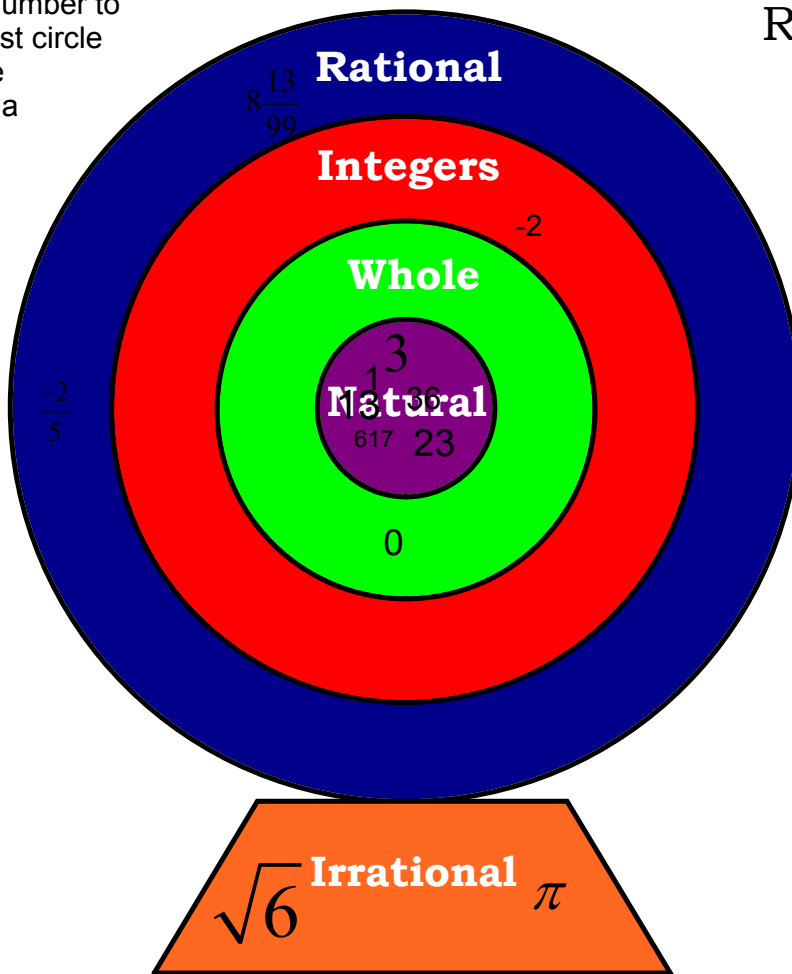
 e 

An irrational number is a number whose decimal part goes on forever and ever without repeating.

 $\sqrt[3]{5}$ $\sqrt{6}$ π

Move each number to the inner-most circle that it can be classified as a member of

Real Number Target

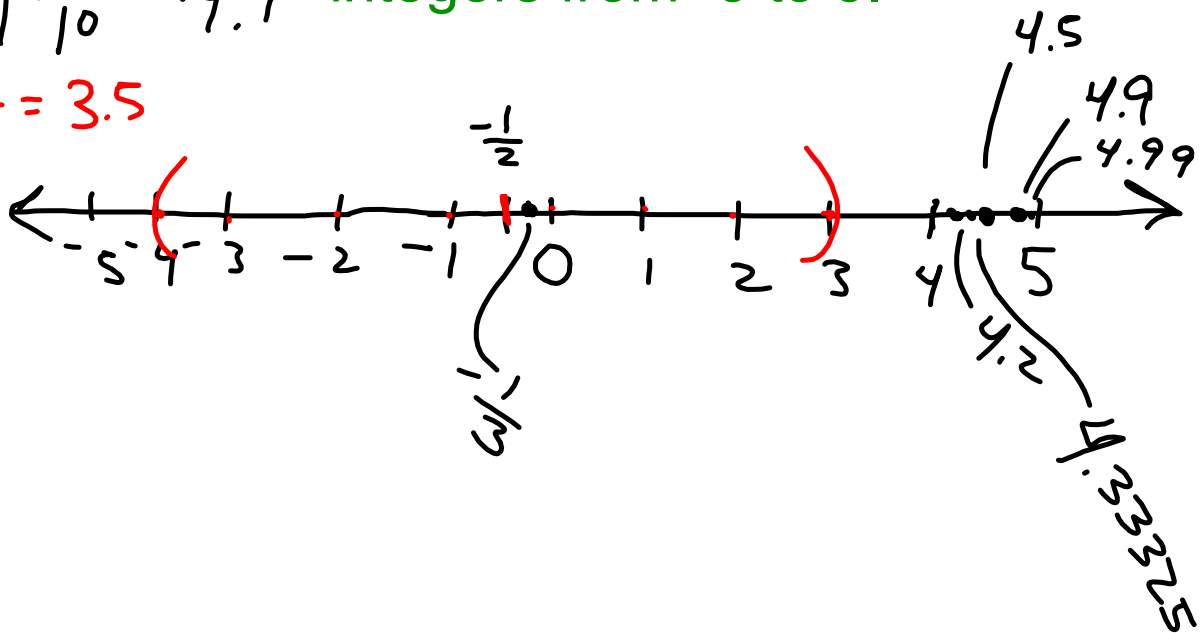


Working with real numbers:

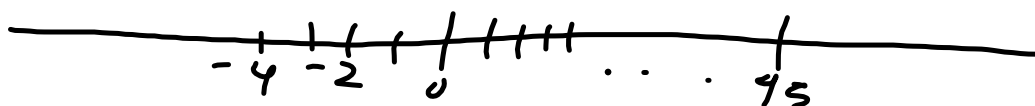
Draw a number line. Label the scale with

$4 \frac{9}{10} = 4.9$ integers from -5 to 5.

$\frac{7}{2} = 3.5$



According to records kept by the National Weather Service, the fastest rise in outside temperature occurred in Spearfish South Dakota, on January 22, 1943. The temperature rose from -4 farenheit to 45 degrees farenheit in two minutes.



At the beginning of August, Drake has \$200 saved from mowing lawns over the summer. He spent \$25 of his money to buy a new backpack and \$30 on new apps for his iPhone.

$$\begin{array}{r} \$200.00 \\ - 25.00 \\ - 30.00 \\ \hline \end{array} \quad] - 55$$

Three friends are going hiking with Anna. For each of the four hikers, she buys two bottles of water and three packs of trail mix. The bottles of water cost \$1.50 each, and the packs of trail mix cost \$3.75 each. She would also like to buy a pedometer to keep track of the distance the hike. Anna has \$65. Is this enough money to buy the water, trail mix and a pedometer that she found on sale for \$12?

Real Number Flipbook