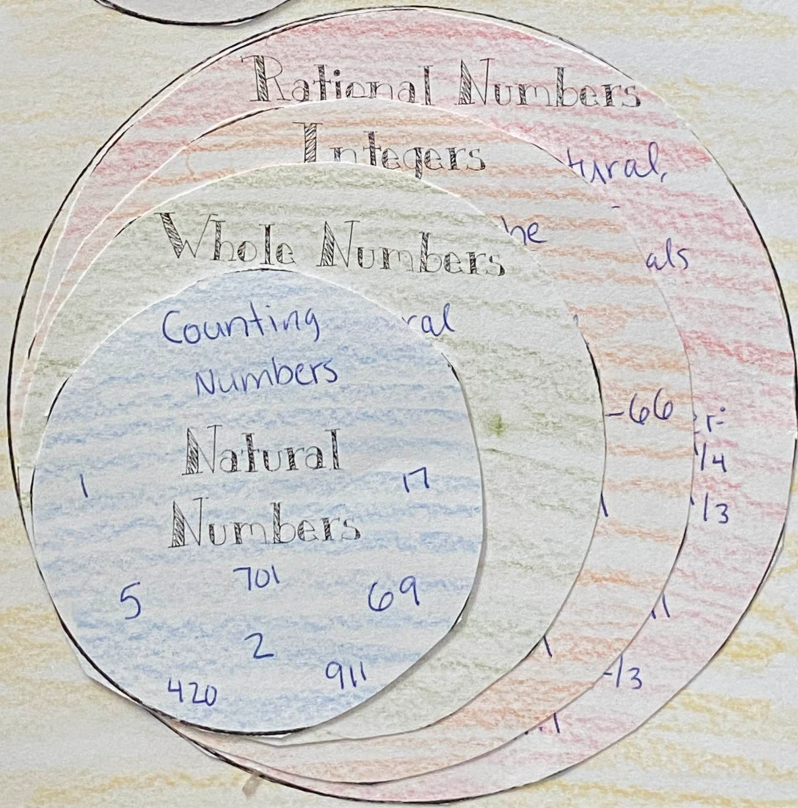


THE NUMBER SYSTEM

Real Numbers

Irrational Numbers

What is the real number system?

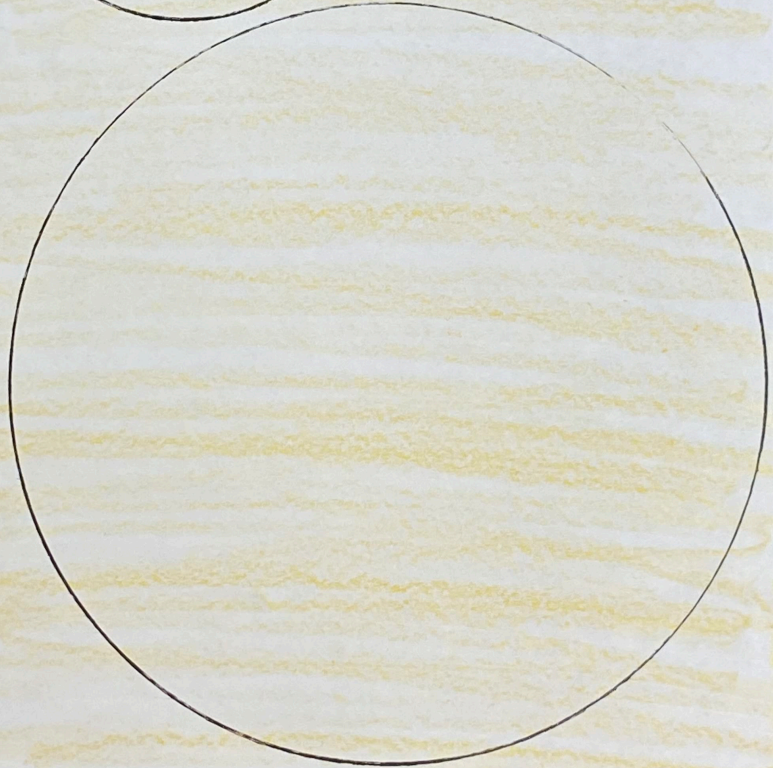


THE NUMBER SYSTEM

Real Numbers

All the decimals that do not end or repeat. $\sqrt{2}$ $\sqrt{40}$ π $\sqrt{18}$ $\sqrt{420}$

Organizes all rational and irrational values.



Integers

Includes the negative version of all natural numbers.

-66
-7 -911
-69 -701
-1
-420

What is the real number system?

Irrational Numbers

Whole Numbers

All Natural numbers plus \emptyset

Rational Numbers

Include all natural, whole and integer values, and decimals and fractions.

Decimals must either:
- ends *e.g.* $0.25 \rightarrow \frac{1}{4}$
- repeat *e.g.* $0.\bar{3} \rightarrow \frac{1}{3}$

69.420 420.69 7.11
0. $\bar{14}$ 9.11 0. $\bar{6}$ $\frac{2}{3}$
 $\frac{1}{2}$ 91.1

Counting Numbers

Natural Numbers

1 17
5 701 69
2
420 911

