

Module 3 Lesson 1



I will be able to classify rational numbers.

Explore Activity

Alicia and her friends Brittany, Kelsey, and Ellie are taking a pottery class. The four friends have to share 3 blocks of clay. How much clay will each of them receive if they divide the 3 blocks evenly?

You have 15 minutes!

Rational Numbers

$$\frac{a}{b}$$

Any number that can be written as a/b , where a and b both integers and $b \neq 0$

Integers - positives and negative whole numbers and zero

Write as a Rational Number as a/b

1) -15

$$\frac{-15}{1}$$

2) 0.31

↑
hundredths

$$\frac{31}{100}$$

3) 4 $\frac{5}{9}$

$$\frac{4 \times 9 + 5}{9} = \frac{41}{9}$$

$$(4 \times 9) + 5 = 41$$

4) 62

$$\frac{62}{1}$$

~~3~~
~~A~~

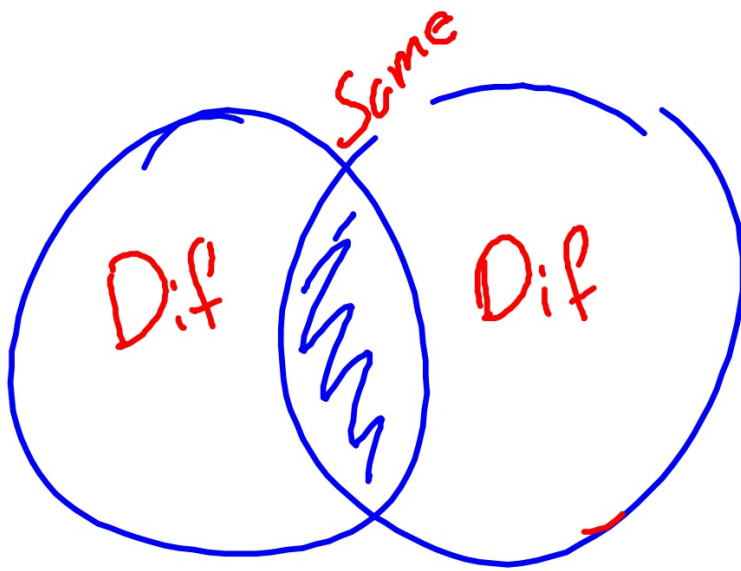
Write as a Rational Number as a/b

5) 11 $\frac{11}{1}$

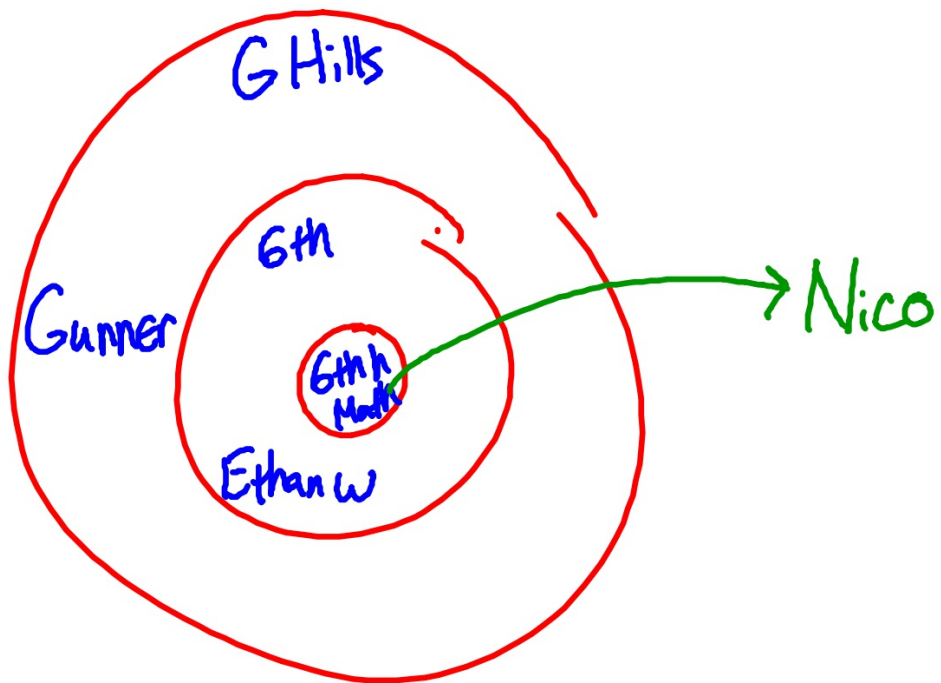
6) 0.2 $\frac{2}{10}$

3) 22/11
 $\frac{22}{11}$

4) 2 1/3
 $2\frac{1}{3} = \frac{7}{3}$
 $(2 \times 3) + 1 = 7$



Venn



Whole #s - positive whole #s and zero

Classifying Rational Numbers

$$14\frac{1}{10}$$

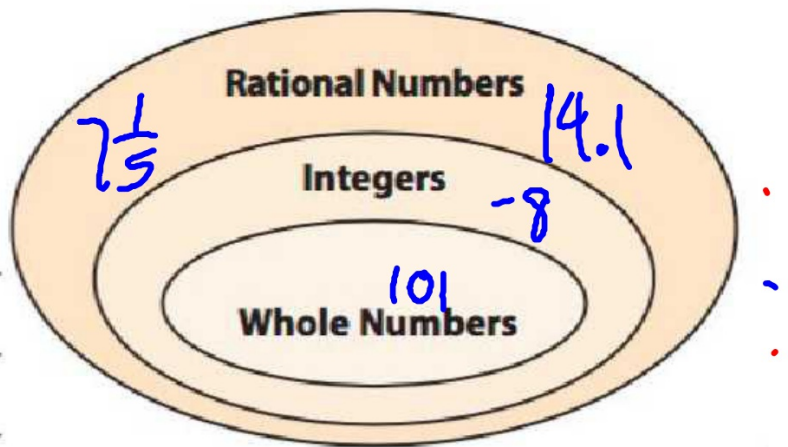
Place each number in the Venn Diagram and classify

$$(14 \times 10) + 1$$

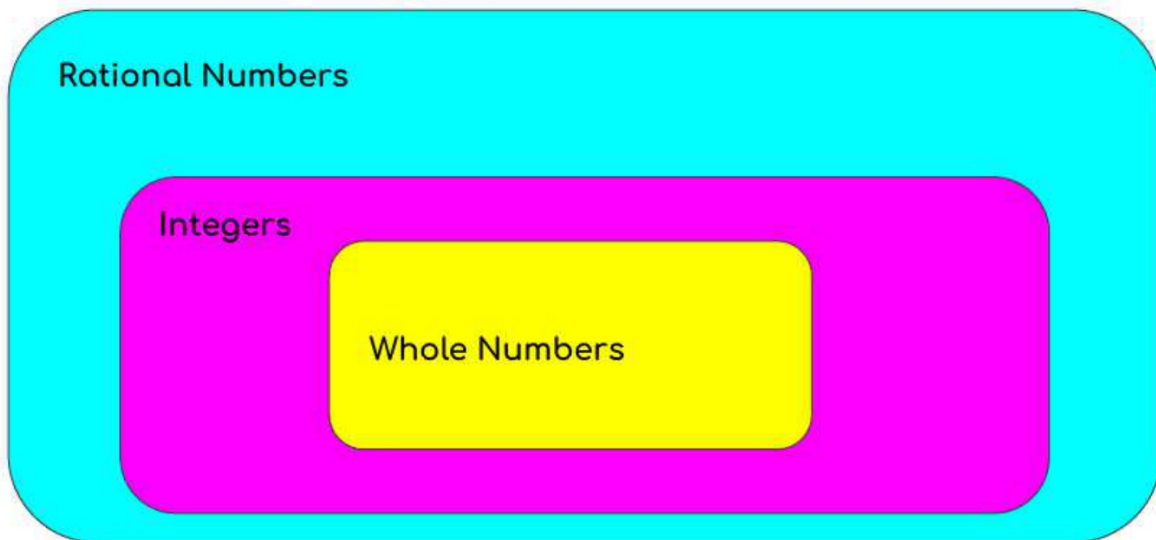
Each number by indicating which set(s) it belongs in.

$$\frac{141}{10}$$

14.1
$7\frac{1}{5}$
-8
101



Classifying Rational Numbers



Write 5 numbers in each level