Name:	Date:	Unit 1 Class Work			
Exploring Numbers Class Work					
★ Look at the number on your desk. Record it, and answer each question. Be sure to provide a reason for your answers. ② Number:					
Do you think your number is a real number?	Do you think your number is a rational number?	Do you think your number is an irrational number?			
Do you think your number is a whole number?	Do you think your number is an integer?	Do you think your number is a natural number?			

★ Types of Numbers

Real Numbers Non-Real Numbers

➢ Practice!

1. Name the set(s) to which each real number belongs. (rational, irrational, integer, whole, natural)				
a. 3.82	b23	C. 11	d. o	
e. π	f201	g. √5		
2. Write any number the	at meets each class	ification:		
a. rational, but not an integer:				
b. whole, but not natur	al			
c. an integer, but not a whole number				
3. What types of numbers are best to use for each variable? (rational, irrational, integers, whole) Support your answer. ©				
a. The price, p, of a ticket to a concert.				
b. The number of friends, n, you are inviting to a party.				
c. The temperature, t, anywhere in the world on the Weather Channel App.				
d. The exact area, A, of a circular field.				
4. Sonja says that all rational numbers are whole, but Jimmy says that all natural numbers are whole. Who do you agree with, and why?				
5. Is the statement always, sometimes, or never true? Explain your answer.				
a. A negative number is an integer.				
b. The number 0.3333333 is irrational.				
~ What does each word mean to you? Can you provide a real life example?				
Commute	Associate	Identity	Inverse	

Name:	Date:	Unit 1 Class Worl
★ Properties of Numbers		
★ <u>Commutative Property</u> :		
★ <u>Associative Property</u> :		
★ <u>Identity Properties</u> :		
		
★ Inverse Properties:		

PRACTICE:

1. State which property is demonstrated in each equation.

a.
$$1234 + 0 = 1234$$

b.
$$3*(5*9) = (3*5)*9$$

c.
$$4 * \frac{1}{4} = 1$$

d.
$$2+3+4=3+4+2$$

2. a. Does the commutative property also hold for subtraction and/or division? If so, explain. If not, provide counter-examples to support your claim.

b. Does the associative property also hold for subtraction and/or division? If so, explain. If not, provide counter-examples to support your claim.

Exit Activity:



On a post-it note, Write a "Tweet" about anything you learned today! (40 characters or less!)

Post it on the board when you are done, and draw a star on your "favorite!"