PROPERTIES OF EQUALITY/REAL NUMBERS
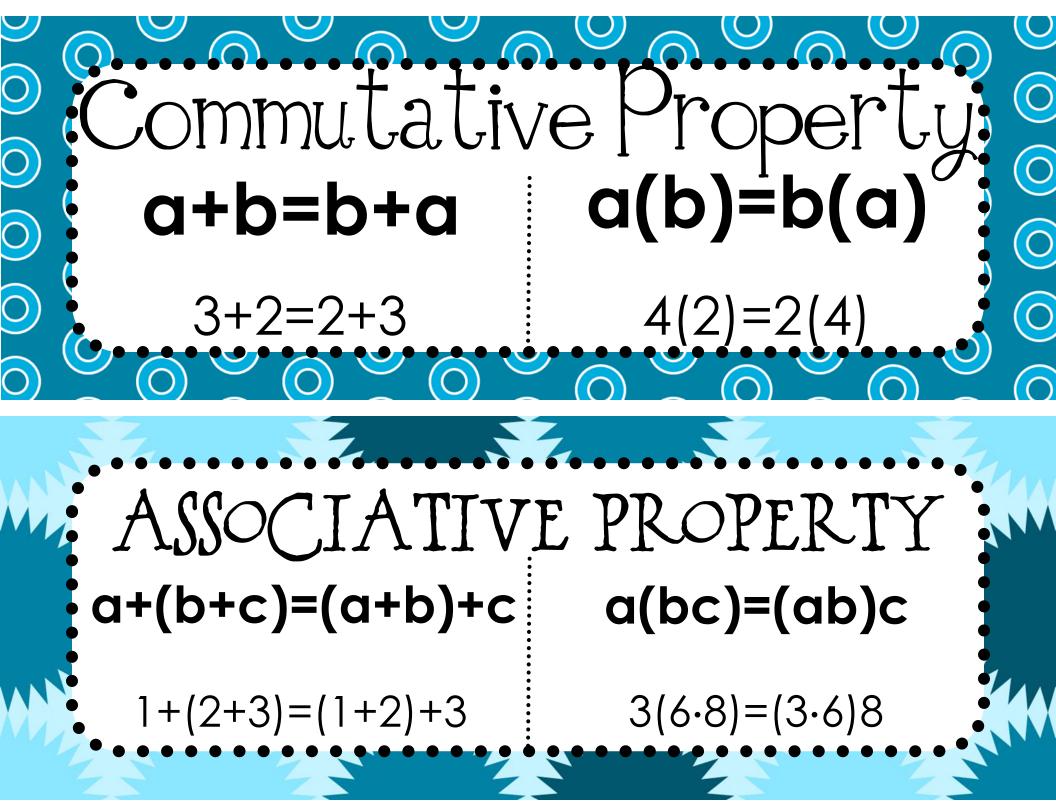
posters

Teacher Tips

- print, laminate and cut out each of the properties of equality pages.

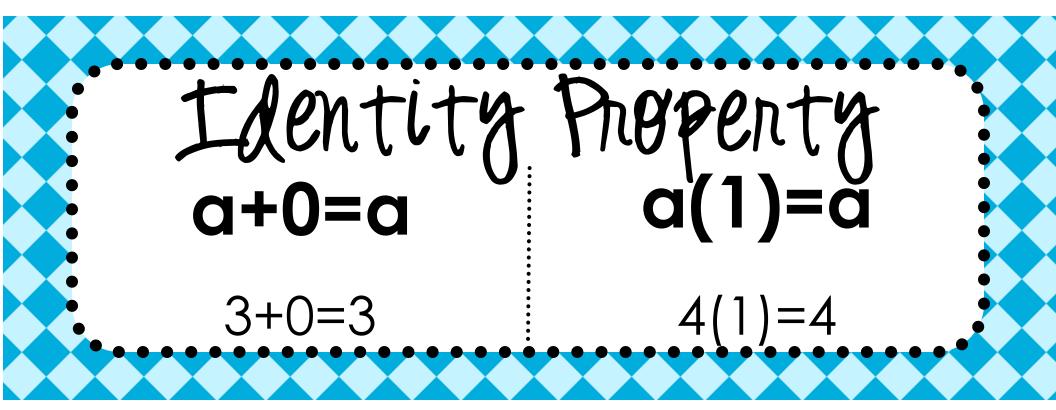- hang posters in your room for a visual reminder to students of the properties of equality.

PROPERTIES OF EQUALITY

PROPERTIES OF REAL NUMBERS

Commutative Property

$a+b=b+a$	$a(b)=b(a)$
$3+2=2+3$	$4(2)=2(4)$

Associative Property

$a+(b+c)=(a+b)+c$	$a(bc)=(ab)c$
$1+(2+3)=(1+2)+3$	$3(6 \cdot 8)=(3 \cdot 6)8$

Identity Property

$a + 0 = a$

$3 + 0 = 3$

$a(1) = a$

$4(1) = 4$

SYMMETRIC PROPERTY

If a=b, then b=a

x=2 and 2=x

reflexive property

a=a

all real numbers equal themselves.

transitive property

If a=b, and b=c, then a=c

2=x, and x = y then 2 = y

Distributive Property

a(b+c)=ab+ac	x(y-z)=xy-xz
5(3+2)=15 +10=25	6(8-4)=48 -24 =24

MULTIPLICATION PROPERTY
If a=b, then ac=bc
5=5 and 5(3)=5(3)

Division Property
If a=b, then a/c=b/c
("c" cannot be zero)
12=12 and 12/4=12/4

Addition Property
If a=b, then a+c=b+c
2 = 2, then 2+3=2+3

Subtraction Property
If a=b, then a-c=b-c
4 = 4, then 4 -1=4 -1

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thanks so much!☺

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