10. COmmutative

Travel 

Algebraically: ...of addition: $a + b =$ _____ + _____

...of multiplication: $ab =$ _____

Numerically:

$12 \bullet 4 =$

11. AsSOciative

Group 

Algebraically: ...of addition:

$(a + b) + c =$ ___ + ___ + ___

...of multiplication:

$(ab)c =$ ___ ___ ___

Numerically:

$\left(10 \cdot \frac{1}{3}\right) 15 =$

Name the property illustrated by each statement.

$x + y = y + x$	Additive Identity
$5(m \cdot n) = (5m)n$	Multiplicative Identity
$0 = 100 \cdot 0$	Multiplicative Property of Zero
$6(u + 3p) = 6u + 18p$	Multiplicative Inverse
$gx = xg$	Reflexive
$px + n = xp + n$	Symmetric
$15(c + d) = 15(d + c)$	Transitive
$1rq = rq$	Substitution
$8r^2 = 8r^2$	Distributive
$\frac{1}{2} \cdot 2 = 1$	Commutative$^+$
	Commutative$^\bullet$
	Associative$^+$
	Associative$^\bullet$

QUESTIONS I NEED TO ASK IN CLASS: