



→ all non-negative integers
 → #s that can be written as fractions

→ all positive integers

→ all positive or negative "round" #s including 0 $\{-3, -2, -1, 0, 1, 2, 3\}$

#2 -

a. $2 + 3 = 3 + 2$

Commutative
(Order)

b. $(2 \cdot 3) \cdot 4 = 2 \cdot (3 \cdot 4)$

Associative
(Grouping)

d. $2(3+5)$
 $2(3) + 2(5)$

c. $2 \cdot \frac{1}{2} = 1$

Multiplicative
inverse or reciprocal

Closure

Closed under Addition
Multiplication
↑
integers

$$-3 + 7 = 4$$