# Commutative Property 

Associative Property

Identity Property for Addition or Multiplication

Inverse Property for Addition or Multiplication

## Distributive Property

Zero Product Property
"COmmutative"
= $\underline{\text { Change }}$ Order

## Associate with <br> Different Groups

= move parentheses

Add Zero to keep the number's identity OR
Multiply by One to keep the number's identity

Add a number to its opposite, the answer is 0 .

## OR

Multiply a number by its reciprocal, the answer is 1 .

Distribute = Give out
Distribute number to each part


Zero Product =
Zero Times a number
$3+2=$

+ ---
$5 \cdot 7=$
-----
$17+8+3=17+\ldots+$
$5 \cdot 18 \cdot 2=5$.

$$
\begin{gathered}
6+(4+8)=(--+\ldots--+8 \\
4 \cdot(5 \cdot 9)=(---5) \cdot-1 \\
(4+2)+-2=4+(2+-2)
\end{gathered}
$$

$$
\begin{aligned}
& 975+0= \\
& \text {-_------ } \\
& 0+\ldots-\ldots=-7 \\
& 5+(-3+3)= \\
& -28 \cdot----=-28 \\
& \text { _----- } 1 \text { = } 3.75
\end{aligned}
$$

$$
\begin{gathered}
3+\ldots--=0 \\
-7.5+---=0 \\
2 \cdot 1 / 2=---=1 \\
3 / 4 \cdot--
\end{gathered}
$$

