## 

## DEFINITIONS

Equatlon:
An equation uses an equal sign. The equation sign means that both the left side and the right side of the equation have the same value.

Varlable:
A letter that replaces a number when we don't know its value. $X+6=17$

Constanta
A number(s) in an equation.

$$
X+6=17
$$

## ALGEBRA RULES

## 1st Algebra 『ulea

Remove constants from the variable side of the equation by performing the opposite math operation of the constant.

## 2nd Algebre 『ulea

Whatever you do to one side of the equation you do to the other side.


## EXAMPLES

1st Rul@a Remove constant by do- $\quad R+15=25$
ing the opposite math operation $\frac{-15}{0}$

2nd Rul@a Do the same thing to the other side
$R+15=25$
$\frac{-15}{0} \quad \frac{-15}{10}$
$R=10$

〔st Rulea Remove constant by do- $\quad X-33=20$ ing the opposite math operation

$$
\frac{+33}{0}
$$

2nd Rul@a Do the same thing to the other side
$x-33=20$
$\frac{+33}{0} \frac{+33}{53}$
$X=53$

48t Rule: Remove constant by doing the opposite math operation

$$
\frac{10}{10} \cdot R=20
$$

2nd Rulea Do the same thing to the other side

$$
\frac{10}{10} \cdot R=\frac{20}{10}
$$

$$
R=2
$$

亿st Rulea Remove constant by doing the opposite math operation

$$
\frac{P}{5} \cdot 5=7
$$

2nd Rul@a Do the same thing to the other side

$$
\frac{P}{5} \cdot 5=7 \cdot 5
$$

$$
P=35
$$

