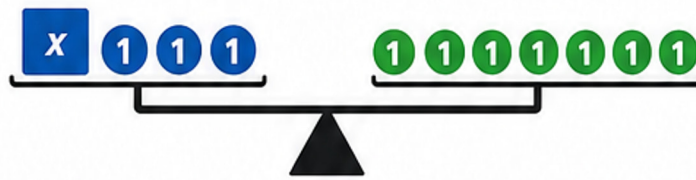


ALGEBRA BALANCE MAT

GOAL: Keep both sides balanced.
Do the same to both sides.

EXAMPLE:
 $x + 3 = 7$



BALANCE MOVES

- Add the same to both sides
- Subtract the same from both sides
- Multiply both sides by the same
- Divide both sides by the same (non-zero)

LEFT SIDE

RIGHT SIDE

EQUATION

_____ = _____

SOLVE IT

$x =$ _____

CHECK IT

Substitute your solution into the original equation.

True or False: _____

VOCABULARY

variable
an unknown value

unit
a value of 1

add
increase the same amount

subtract
decrease the same amount

multiply
scale by the same factor

divide
share by the same factor (non-zero)