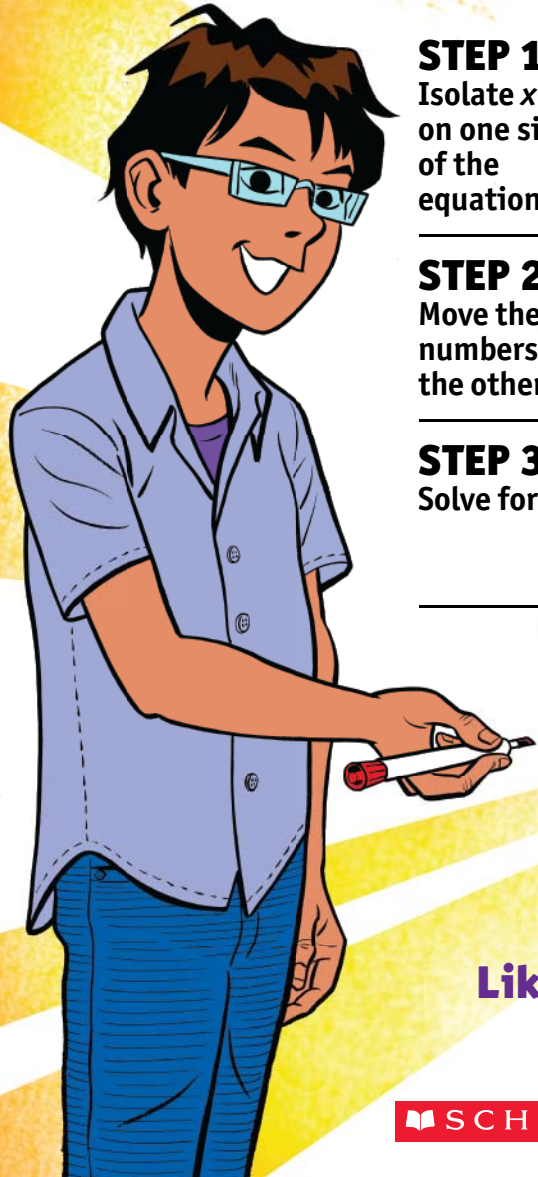


Solving the Unknown with Algebra



STEP 1:

Isolate x
on one side
of the equation.

$$\begin{array}{rcl} 6x - 26 & = & 2x + 6 \\ -2x & & -2x \end{array}$$

Subtract
 $2x$ from
BOTH
SIDES.

STEP 2:

Move the
numbers to
the other side.

$$\begin{array}{rcl} 4x - 26 & = & 6 \\ +26 & & +26 \end{array}$$

Add 26
to **BOTH**
SIDES.

STEP 3:

Solve for x .

$$\begin{array}{rcl} 4x & = & 32 \\ /4 & & /4 \\ x & = & 8 \end{array}$$

Divide
BOTH
SIDES
by 4.



**Like balancing a scale, whatever you do on one side
of an equation, you must do on the other!**