



Solving Equations Using Nonconventional Methods

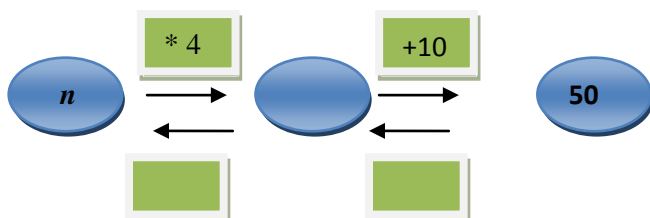
Shephali Chokshi-Fox, Math Coach and Consultant
Victoria Miles, HS Math Teacher and Consultant

Writing and solving equations can be abstract and confusing for students.

Consider using a real-life menu to introduce variables?

Menu Math	
Hamburger	\$1.85
Cheeseburger	\$2.15
Fries	\$1.05
Sodas:	
Small	\$.95
Medium	\$1.25
Large	\$1.55
Extra Large	\$2.05

What about a flow chart to solve equations? Fact Families?



$7 + x = 9$
$x + 7 = 9$
$9 - x = 7$
$9 - 7 = x$

Learn non-conventional ways to encourage flexible thinking, deepen students' understanding of inverse relationships and help them intuitively "see" the representation of a variable.

Through these activities, your students will learn strategies other than the traditional "balance the equation" method, and expand their tool kit for solving multi-step equations.

Walk away with three, easy-to-use activities for your classroom.