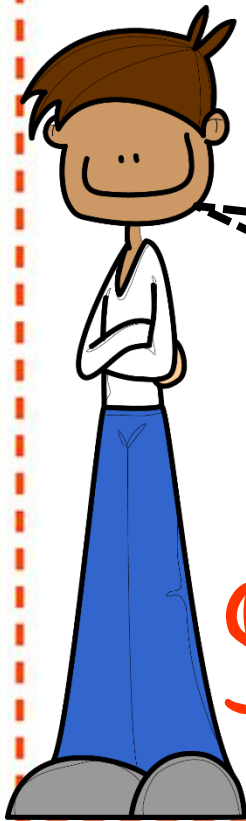# SOLVING EQUATIONS

STUDENT-CENTERED, ENGAGING + FUN ACTIVITY!
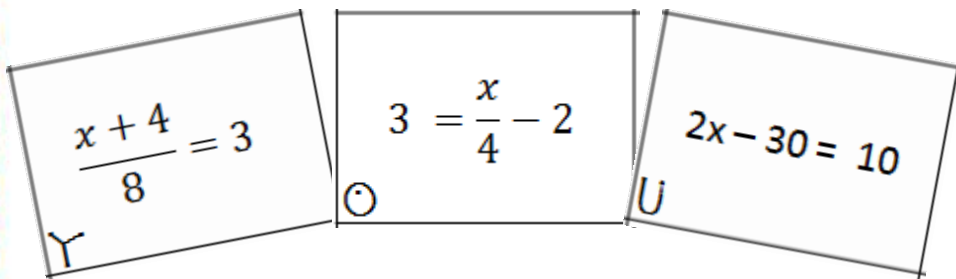
word scramble

FOR THE TEACHER

How it works:

The equation word scramble is a great way to practice solving equations. Students will need to solve each equation. Each group of equivalent answers forms a word. The words can then be rearranged to form a sentence.

*Suggestion: It is easier to group equivalent answers if students cut out each individual problem.

$$\frac{x+4}{8} = 3$$
Y

$$3 = \frac{x}{4} - 2$$
O

$$2x - 30 = 10$$
U

Quote: Dreams don't work unless you do!

THE SMART PUG

solving equations word scramble

Directions: Cut out each problem. Solve each equation. Place equivalent answers into a pile. Each set of equivalent answers will form a word. Rearrange the words to discover a motivational expression.

$11 + 4x = 35$ D	$4(1 + x) = 32$ U	$5x - 15 = 20$ S	$0 = \dfrac{x}{2} - 5$ M
$3 = \dfrac{x}{4} - 2$ O	$2x - 5 = 15$ E	$2x + 2x = 12$ W	$\dfrac{x + 4}{8} = 3$ Y
$16 = 4(x + 1)$ K	$6x + 1 = 4$ O	$\dfrac{x - 5}{2} = 1$ E	$\dfrac{x}{3} + 6 = 8$ '
$5x - 3 = 27$ T	$2x - 30 = 10$ U	$3(x + 3) = 39$ R	$2x + 20 = 34$ L
$6x + 8x = 7$ D	$4x - 2x = 14$ S	$6x - 15 = 3$ O	$4(5 + x) = 44$ O
$\dfrac{x}{5} + 2 = 4$ D	$\dfrac{x + 2}{4} = 2$ N	$12 = \dfrac{x}{7} + 11$ N	$41 = 4x + 1$ A
$\dfrac{x}{3} + 4 = 5$ R	$6x + 2 = 62$ S		

Quote: Dreams don't work unless you do.
Dreams = blue (10)   Don't = red (6)   Work = green (3)
Unless = purple (7)   You = Black (20)   Do = Pink (1/2)

$11 + 4x = 35$ D	$4(1 + x) = 32$ U	$5x - 15 = 20$ S	$0 = \dfrac{x}{2} - 5$ M
$3 = \dfrac{x}{4} - 2$ O	$2x - 5 = 15$ E	$2x + 2x = 12$ W	$\dfrac{x + 4}{8} = 3$ Y
$16 = 4(x + 1)$ K	$6x + 1 = 4$ O	$\dfrac{x - 5}{2} = 1$ E	$\dfrac{x}{3} + 6 = 8$ '
$5x - 3 = 27$ T	$2x - 30 = 10$ U	$3(x + 3) = 39$ R	$2x + 20 = 34$ L
$6x + 8x = 7$ D	$4x - 2x = 14$ S	$6x - 15 = 3$ O	$4(5 + x) = 44$ O
$\dfrac{x}{5} + 2 = 4$ D	$\dfrac{x + 2}{4} = 2$ N	$12 = \dfrac{x}{7} + 11$ N	$41 = 4x + 1$ M
$\dfrac{x}{3} + 4 = 5$ R	$6x + 2 = 62$ S		