Algebra 1 2.2
Solve one-step equations

activ: equations bingo (if time)

Use algebra tiles to solve each equation.

6. $5x = -15$

7. $-3x = -9$

8. $4x = 8$

$\frac{4}{4} \quad \frac{8}{4}$

$x = 2$

1A. $113 = g - 25$

$+25 \quad +25$

$138 = g$

$138 = g$

1B. $j - 87 = -3$

$+87 \quad +87$

$j = 84$

2A. $27 + k = 30$

$-27 \quad -27$

$K = 3$

$-3 = x + 5$

$-3 \quad -3$

$-6 = x + 2$

$-2 \quad -2$

$-8 = x$

2B. $-12 = p + 16$

$-16 \quad -16$

$-28 = p$

3A. $\frac{3}{5}k = 6$

$\frac{3}{5}$ $\frac{3}{5}$

$K = 10$

3B. $-\frac{1}{4} = \frac{2}{3}b$

$\frac{2}{3}$ $\frac{2}{3}$

$-\frac{3}{8} = b$

$6 \cdot n = 132$

Write an equation for each sentence. Then solve the equation.

56. Six times a number is 132. $n = 22$

57. Two thirds equals negative eight times a number.

$\frac{\frac{2}{3}}{-8} = \frac{-8 \cdot n}{-8}$ $n = -\frac{1}{12}$

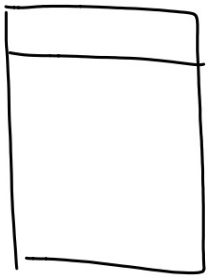
58. Five elevenths times a number is 55.

59. Four fifths is equal to ten sixteenths of a number.

60. Three and two thirds times a number equals two ninths.

Equations bingo

Fill in each square of the bingo card with an integer from -10 to 10.
You will need to repeat a few numbers.



$x + 11 = 16$

$n + 4 = 5$

$5x = -10$

$-4x = 12$

$3x = 6$

$x - 3 = -7$

$2x = 6$

$n - 7 = -4$

$4x = -4$

$\frac{2x}{2} = \frac{2}{2}$

$x = 1$

$3 = 4 + n$

$17x = 0$