Use algebra tiles to solve each equation.

6. $5x = -15$
$$\frac{5}{5} \quad \frac{-15}{5}$$

$x = {}^-3$

7. $-3x = -9$
$$\frac{}{-3} \quad \frac{}{-3}$$

$x = 3$

8. $4x = 8$
$$\frac{}{4} \quad \frac{}{4}$$

$x = 2$

variable = answer

1A. $113 = g - 25$

$\quad +25 \qquad +25$

$138 = g \qquad 113 = 138 - 25$

$g = 138$

1B. $j - 87 = -3$

$\qquad +87 \qquad +87$

$j = 84$

$84 + 87 = -3$

Solve + check

2A. $27 + k = 30$

$\quad -27 \qquad -27$

$\qquad k = 3$

$27 + 3 = 30$

$-12 = 28 + 16$

2B. $-12 = p + 16$

$\quad -16 \qquad -16$

$-28 = p$

$$-\frac{1}{4} = \frac{2}{3} \cdot \frac{-3}{8}$$
$$=$$

3A. $\frac{5}{8} \cdot \frac{3}{5}k = 6 \cdot \frac{5}{3}$ $\frac{5}{1} \cdot \frac{5}{3}$ **3B.** $-\frac{1}{4} = \frac{2}{3}b$

$$\frac{15}{15}k = \frac{30}{3}$$

$$\frac{3}{2} \cdot \frac{-1}{4} = \left(\frac{2}{3}\right)B \cdot \frac{3}{2}$$

$$K = 10$$

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

$$\frac{3}{5} \cdot 10 = 6$$

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

56. Six times a number is 132. $6n = 132$ $6 \cdot n = 132$

$$n = 22$$

57. Two thirds equals negative eight times a number. $\frac{2}{3} = -8n$

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

$$\frac{\frac{2}{3}}{-8} = \frac{-8n}{-8}$$

$$-\frac{1}{12} = n$$

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.

$n + 4 = 5$

$5x = -10$

$n - 1 = -6$

$2x = 2$

$3x = 6$

$n - 7 = -4$

$x + 5 = -4$

WB 2.2
(prac.)
odds

$x - 3 = -7$

$4x = -4$

$x + 11 = 16$

$-4x = 12$

$9 = x + 3$

$3 = 4 + n$

$17x = 0$

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.