

Algebra 1 2.2
Solve one-step equations

activ: equations bingo (if time)

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$$\frac{11}{5} \cdot \frac{5}{11} \cdot n = 55 \cdot \frac{11}{5} \quad \frac{5}{11} \cdot 121 = 55$$

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.

$$\frac{16}{10} \cdot \frac{4}{5} = \frac{10}{16} \cdot n \cdot \frac{16}{10} \quad \frac{4}{5} = \frac{10}{16} \cdot 1\frac{7}{25}$$

$$1\frac{7}{25} = n$$

$$3\frac{2}{3} \cdot \frac{2}{33} = \frac{2}{9}$$

$$\frac{(3\frac{2}{3}) \cdot n}{3\frac{2}{3}} = \frac{\frac{2}{9}}{3\frac{2}{3}} \quad n = \frac{2}{33}$$

$$\frac{2x}{2} = \frac{9}{2}$$

$$x = 4.5$$

$$2 \cdot 4.5 = 9$$



$$n + 3 = -7$$

$$\begin{array}{r} -3 \quad -3 \\ \hline \end{array}$$

$$n = -10$$

$$-10 + 3 = -7$$



$$\frac{\frac{3}{5} \cdot a = 7}{\frac{3}{5}} \quad \frac{7}{\frac{3}{5}}$$

$$a = 11\frac{2}{3}$$

$$\frac{5}{3} \cdot \frac{3}{5} a = 7 \cdot \frac{5}{3}$$

$$\frac{5}{5} a = \frac{35}{3}$$

$$a = 11\frac{2}{3}$$

iii)

$$\frac{3}{5} \cdot 11\frac{2}{3} = 7$$

$$a - 6 = 9$$

$$+ 6 \quad + 6$$

$$\cancel{a = 3}$$

$$a = 15$$

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.

$$x + 5 = -4$$

$$x - 3 = -7$$

$$2x = 2$$

$$n - 7 = -4$$

$$4x = -4$$

$$3 = 4 + n$$

$$17x = 0$$

$$x + 11 = 16$$

$$5x = -10$$

$$3x = 6$$

$$n + 4 = 5$$

$$2x = 6$$

$$-4x = 12$$