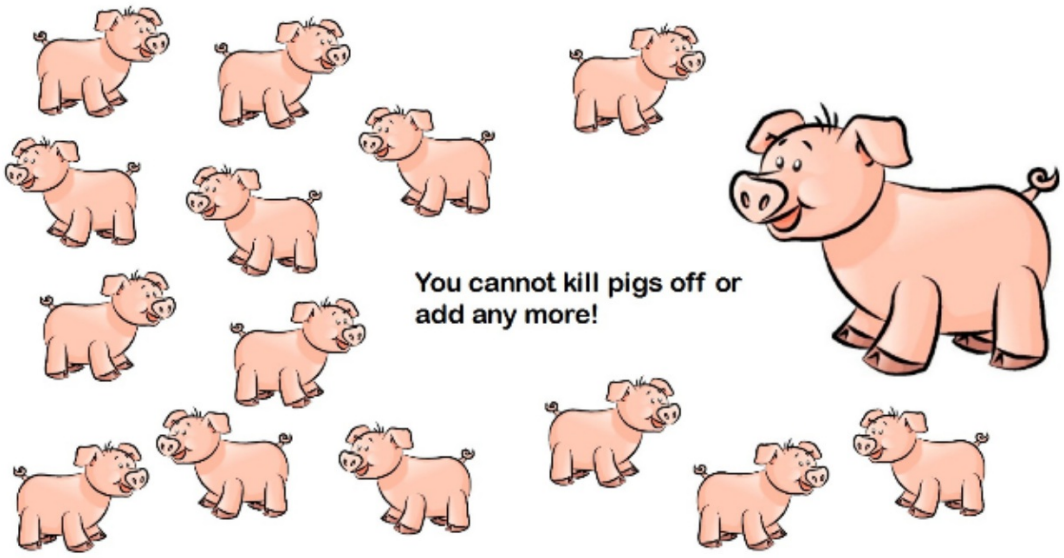
December 4, 2014

1st
2nd

Starter

Put 15 pigs in exactly 4 pens so that there are an odd number of pigs in each pen.



Hippo

12/4 - Solving One-Step Multiply/Divide Equations with Rational Numbers (Fractions)

How would you get the variable by itself in each of these situations?

$n+5$ -5 (from both)	$n-5$ $+5$	Multiply by the reciprocal $\frac{1}{2}n \cdot \frac{2}{1}$
$n+(-5)$ $+5$ $n-5$	$n-(-5)$ -5 $n+5$	$\frac{2}{3}n \cdot \frac{3}{2}$
$\frac{5n}{5}$	$\frac{n}{5} \cdot 5$	$-1\frac{1}{4}n$ $-\frac{5}{4}n \cdot -\frac{4}{5}$

Solve these...

Remember:

1. find the center
2. find the variable
3. get the variable by itself
4. make the variable positive

$$\frac{-20}{6} = \frac{6k}{6}$$

$$-3\tfrac{2}{6} = k$$

$$-3\tfrac{1}{3} = k$$

$$\frac{+5}{3} \cdot \frac{+3}{5} n = \frac{18}{35} \cdot \frac{-5}{3}$$

$$n = \frac{-6}{7}$$

$$\frac{6}{1} \cdot \frac{-5}{8} = \frac{v}{6} \cdot 6$$

$$\frac{-15}{4} = v$$

$$-3\tfrac{3}{4} = v$$

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

$p = -\frac{7}{3} \cdot \frac{1}{4}$

$p = -\frac{7}{12}$

$-3\frac{1}{3} = 1\frac{3}{4}m$

$\frac{4}{7} \cdot -\frac{10}{3} = \frac{7}{4}m \cdot \frac{4}{7}$

$-\frac{40}{21} = m$

$-1\frac{19}{21} = m$

$21\overline{)40}$ 1

-21

19

Homework

Green WS4

Due Monday