

Warm Up

Week 9

In a pasture are horses and chickens. If there are a total of 28 heads and 80 legs, how many chickens and how many horses are in the pasture?

$$\begin{array}{r}
 \begin{array}{l}
 4 \text{ legs} \\
 x \\
 \end{array} \\
 \begin{array}{l}
 2 \text{ legs} \\
 y \\
 \end{array} \\
 \end{array}$$

$$\begin{array}{r}
 -4(x+y=28) \\
 +1x+2y=80 \\
 \hline
 x-16=28 \\
 -16 \quad -16 \\
 \hline
 x=12
 \end{array}
 \rightarrow
 \begin{array}{r}
 -4x-4y=112 \\
 +4x+2y=80 \\
 \hline
 -2y=-32 \\
 \frac{-2y}{-2} = \frac{-32}{-2} \\
 y=16
 \end{array}$$

Homework Questions?

Finish Notes

Homework

- 6.8 wkst #1-12
- 7.6 p.430
#45-63, 3-5_{ec}