

Warm Up

Week 9

Are You Smarter Than a Fifth Grader

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?

$$\begin{array}{r}
 2c + 4h = 80 \\
 -2(c + h = 28) \\
 \hline
 c + 12 = 28 \\
 -12 \quad -12 \\
 \hline
 c = 16
 \end{array}
 \rightarrow
 \begin{array}{r}
 2c + 4h = 80 \\
 -2c - 2h = -56 \\
 \hline
 2h = 24 \\
 \frac{2h}{2} = \frac{24}{2} \\
 h = 12
 \end{array}$$

12 horses  
16 chickens

**Homework Questions?**

# Homework

7.6 Notes wkst p.149

(Turn in by end of the hr)

& 7.6 p.435 #6-11, 15-20, 45-58

(will need graph paper)