

Algebra Bellwork - October 12, 2011

Emilio got a job as a sign spinner for Little Caesar's Pizza. He earned \$5 for the first hour, and \$7 each hour after that. In one day he earned \$47. How many hours did he work?

6 hours
 $\begin{array}{r} 7 \overline{)47} \\ \underline{42} \\ 5 \end{array}$

extra
 $X = \text{hours worked}$
 $\$47 = \$5 + 7X$
 $\$42 = 7X$
 $6 \text{ hrs.} = X$

$\begin{array}{r} 47 \\ - 5 \\ \hline 42 \end{array}$ ← 1 hour

$\$42 = 6 \text{ hours}$
 $\$ \frac{42}{7}$

1	2	3	4	5	6	7	8	9	10
5	7	7	7	7	7	7	7	7	7



Solve each equation

$$\frac{x}{5} = -6$$

$$\overset{20}{\cancel{5}} - \overset{10}{\cancel{10}} = -6$$

$+10$ $+10$

$$\overset{15}{\cancel{5}} \cdot \overset{5}{\cancel{5}} = 4.5$$

$= 20$

$$x = 20$$

x



$$\frac{2}{3}x - 3 = 4$$

$+3$ $+3$

$$\left(\frac{3}{2}\right) \frac{2}{3}x = \frac{7}{1} \left(\frac{3}{2}\right)$$

$\frac{10}{2}$

$$x = \frac{21}{2}$$