NAME _____

DATE _____

PERIOD _____

PRE-ALGEBRA – CHAPTER 8-3
PROPORTION PUZZLE

What Am I?

Solve each proportion. Then, starting at the box marked with the heavy outline, draw an arrow to the adjacent box containing the variable with the least value. (You may move horizontally, vertically, or diagonally. You may use each box at most once.)

	$\frac{3.5}{\frac{1}{4}} = \frac{o}{2}$	$\frac{n}{37} = \frac{54}{55\frac{1}{2}}$	$\frac{5}{e} = \frac{2\frac{1}{2}}{21}$	$\frac{16.5}{36} = \frac{11}{a}$
$\frac{z}{2} = \frac{4}{1}$	$\frac{0.7}{h} = \frac{2.1}{108}$	$\frac{0.3}{0.4} = \frac{18}{o}$	$\frac{3}{5.82} = \frac{n}{48.5}$	$\frac{p}{55} = \frac{\frac{2}{5}}{1}$
$\frac{a}{5} = \frac{9}{15}$	$\frac{2}{7} = \frac{p}{14}$	$\frac{0.5}{i} = \frac{24}{384}$	$\frac{z}{32} = \frac{7}{8}$	$\frac{43.2}{18} = \frac{u}{5}$
$\frac{4}{o} = \frac{20}{30}$	$\frac{3.4}{6.8} = \frac{2.5}{r}$	$\frac{\frac{2}{9}}{\frac{1}{3}} = \frac{t}{18}$	$\frac{\frac{1}{3}}{z} = \frac{\frac{2}{3}}{60}$	$\frac{72}{\frac{1}{2}} = \frac{t}{\frac{1}{4}}$
$\frac{p}{\frac{1}{2}} = \frac{16}{2}$	$\frac{o}{24} = \frac{10.5}{36}$	$\frac{3.5}{5.5} = \frac{7}{r}$	$\frac{2\frac{1}{2}}{9} = \frac{5}{l}$	Stop here. $\frac{e}{\frac{1}{5}} = \frac{12.5}{\frac{1}{2}}$
$\frac{e}{150} = \frac{1.5}{22.5}$	$\frac{1\frac{2}{5}}{1.4} = \frac{r}{20}$	$\frac{0.2}{o} = \frac{0.5}{35}$	$\frac{3}{8} = \frac{6}{d}$	$\frac{\frac{1}{4}}{i} = \frac{3}{96}$

Now fill in the table below with the letters in the order in which you found them. Now you can say what I am.