PROPORTIONS RELAY PUZZLE

Directions: Follow the arrows to solve each proportion for x. You will use the answer from your previous problem to fill in the box for the next problem, which will lead you through the page. You must show your work on the work page provided for each problem.

Start!

$$\frac{5}{10} = \frac{x}{4}$$ ➡ $$\frac{6}{4} = \frac{a}{\square}$$ ➡ $$\frac{15}{20} = \frac{\square}{k}$$ ➡ $$\frac{9}{\square} = \frac{w+8}{8}$$ ⬇

$$\frac{6}{y+\square} = \frac{4}{8}$$ ⬅ $$\frac{3}{9} = \frac{2}{v+\square}$$ ⬅ $$\frac{\square}{n+3} = \frac{3}{2}$$ ⬅ $$\frac{c-7}{\square} = \frac{9}{18}$$

⬇

$$\frac{m+\square}{m-1} = \frac{12}{8}$$ ➡ $$\frac{\square}{p-16} = \frac{9}{p}$$ ➡ $$\frac{x-\square}{10} = \frac{x}{4}$$ ➡ $$\frac{h+\square}{4} = \frac{h-12}{6}$$ ⬇

$$\frac{\square}{q+9} = \frac{4}{2q+6}$$ ⬅ $$\frac{k+2}{3} = \frac{k-\square}{6}$$ ⬅ $$\frac{\square}{7-a} = \frac{2}{a+5}$$ ⬅ $$\frac{7}{r+\square} = \frac{3}{r-10}$$

End!

PROPORTIONS
Relay Puzzle!

Name: _____

Date: _____ Per: _____

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

Good Work! ☺