

Good Luck To: \_\_\_\_\_

Complete the following proportions using cross products (butterfly method) like we did in class. Remember to line up your 3 equal signs by bringing them straight down. Don't forget to show evidence that you used cross products (butterfly method).

1.  $\frac{9}{2} = \frac{5}{10}$   
 ~~$\frac{9}{2} = \frac{5}{10}$~~   
 $\frac{10}{10} = \frac{10}{10} n$   
 $1 = n$

$\frac{n}{1} = \frac{28}{7}$

$\frac{n}{16} = \frac{4}{12}$

2.  $\frac{3}{7} = \frac{n}{56}$

$\frac{75}{100} = \frac{n}{8}$

$\frac{26}{16} = \frac{n}{8}$

3.  $\frac{4}{n} = \frac{24}{36}$

$\frac{15}{n} = \frac{35}{28}$

$\frac{14}{n} = \frac{7}{13}$

4.  $\frac{1}{6} = \frac{16}{n}$

~~$\frac{15}{75} = \frac{4}{n}$~~   
 $\frac{300}{15} = \frac{15n}{15}$   
 $20 = n$

$\frac{21}{49} = \frac{3}{n}$

5.  $\frac{n}{15} = \frac{64}{12}$

$\frac{11}{24} = \frac{n}{72}$

$\frac{8}{n} = \frac{12}{18}$

6.  $\frac{6}{14} = \frac{15}{n}$

$\frac{n}{6} = \frac{20}{8}$

$\frac{8}{25} = \frac{n}{100}$

7.  $\frac{5}{n} = \frac{20}{24}$

$\frac{3}{8} = \frac{9}{n}$

$\frac{3}{5} = \frac{n}{100}$