

Name: _____

Date: _____

Algebra I

Directions: Solve algebraically for “n” using the cross-product method.

1. $\frac{5}{8} = \frac{n}{16}$

2. $\frac{12}{6} = \frac{n}{14}$

3. $\frac{1}{7} = \frac{n}{21}$

4. $\frac{0.5}{2} = \frac{n}{24}$

5. $\frac{6}{n+1} = \frac{5}{n-4}$

6. $\frac{9}{n+5} = \frac{8}{n-2}$

7. $12 : 16 = n : 24$

8. $\frac{5}{15} = \frac{n}{n+10}$

9. $\frac{18}{10} = \frac{n+4}{n}$

10. $\frac{4}{9} = \frac{n}{18}$

11. $\frac{18}{6} = \frac{n}{13}$

12. $\frac{1}{6} = \frac{n}{48}$

$$13. \quad \frac{0.2}{5} = \frac{n}{2}$$

$$14. \quad \frac{4}{n+7} = \frac{8}{n-1}$$

$$15. \quad \frac{12}{2n} = \frac{3}{n+1}$$

$$16. \quad 13 : 26 = n : 28$$

$$17. \quad \frac{7}{21} = \frac{n}{n+18}$$

$$18. \quad \frac{28}{7} = \frac{n+6}{n}$$