

Name: _____

Date: _____

Ratios and Proportions

Solve each problem. Show your work.

1. $\frac{5}{n} = \frac{10}{6}$

11. $\frac{x}{11} = \frac{81}{99}$

2. $\frac{y}{7} = \frac{18}{63}$

12. $\frac{3}{5} = \frac{x}{20}$

3. $\frac{3}{n} = \frac{18}{42}$

13. $\frac{5}{3} = \frac{n}{15}$

4. $\frac{8}{n} = \frac{48}{30}$

14. $\frac{1}{8} = \frac{n}{48}$

5. $\frac{9}{2} = \frac{54}{x}$

15. $\frac{3}{4} = \frac{x}{28}$

6. $\frac{x}{5} = \frac{32}{40}$

16. $\frac{3}{4} = \frac{12}{y}$

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

17. $\frac{5}{n} = \frac{40}{64}$

8. $\frac{1}{y} = \frac{3}{30}$

18. $\frac{3}{y} = \frac{15}{40}$

9. $\frac{9}{11} = \frac{36}{n}$

19. $\frac{4}{x} = \frac{32}{72}$

10. $\frac{y}{11} = \frac{5}{55}$

20. $\frac{1}{5} = \frac{y}{10}$

Ratios and Proportions: Answer Key

1. $n = 3$

2. $y = 2$

3. $n = 7$

4. $n = 5$

5. $x = 12$

6. $x = 4$

7. $n = 32$

8. $y = 10$

9. $n = 44$

10. $y = 1$

11. $x = 9$

12. $x = 12$

13. $n = 25$

14. $n = 6$

15. $x = 21$

16. $y = 16$

17. $n = 8$

18. $y = 8$

19. $x = 9$

20. $y = 2$