

Study the box below. Solve each proportion. Write the answer on the line provided.

Rule:

A proportion is 2 equal ratios.

To solve, find the cross products.

Then, divide to solve for the variable.

Example:

$$\frac{9}{15} = \frac{x}{10}$$

$$15x = 90$$

$$x = 90 \div 15$$

$$x = 6$$

1. $\frac{3}{n} = \frac{5}{15}$ _____

9. $\frac{n}{8} = \frac{12}{16}$ _____

17. $\frac{8}{35} = \frac{n}{350}$ _____

2. $\frac{3}{5} = \frac{n}{25}$ _____

10. $\frac{13}{4} = \frac{52}{y}$ _____

18. $\frac{x}{4} = \frac{18}{30}$ _____

3. $\frac{3}{20} = \frac{n}{50}$ _____

11. $\frac{12}{w} = \frac{8}{14}$ _____

19. $\frac{x}{40} = \frac{15}{24}$ _____

4. $\frac{45}{20} = \frac{y}{4}$ _____

12. $\frac{60}{75} = \frac{r}{5}$ _____

20. $\frac{5}{1.6} = \frac{m}{4.8}$ _____

5. $\frac{6}{x} = \frac{42}{63}$ _____

13. $\frac{x}{2.4} = \frac{4}{0.6}$ _____

21. $\frac{1}{2} = \frac{x}{4.2}$ _____

6. $\frac{8}{5} = \frac{6}{x}$ _____

14. $\frac{18}{m} = \frac{300}{24}$ _____

22. $\frac{p}{5} = \frac{450}{4.5}$ _____

7. $\frac{4}{5} = \frac{d}{6}$ _____

15. $\frac{2}{m} = \frac{5}{8.75}$ _____

23. $\frac{7}{4} = \frac{n}{0.8}$ _____

8. $\frac{17}{8.5} = \frac{n}{0.01}$ _____

16. $\frac{0.24}{y} = \frac{3}{9.6}$ _____

24. $\frac{0.1}{8.2} = \frac{1.8}{x}$ _____

Total Problems: _____

Total Correct: _____

Score: _____