Proportions

Answers

Student's Name : _____ class : _____

Helpful Example :

$$\frac{3.6}{Y} = \frac{10.8}{12} \Rightarrow 10.8 \times Y = 3.6 \times 12 \Rightarrow Y = \frac{3.6 \times 12}{10.8}$$

$$\Rightarrow Y = 4$$

Find the answers for the following Proportions.

1. $\frac{x}{3.3} = \frac{6.6}{19.8} \Rightarrow x = 1.1$

2. $\frac{40}{65} = \frac{z}{104} \Rightarrow z = 64$

3. $\frac{32.5}{25} = \frac{97.5}{r} \Rightarrow r = 75$

4. $\frac{21}{27} = \frac{t}{18} \Rightarrow t = 14$

5. $\frac{32}{m} = \frac{24}{6} \Rightarrow m = 8$

6. $\frac{n}{297} = \frac{11}{363} \Rightarrow n = 9$

7. $\frac{s}{128} = \frac{7}{112} \Rightarrow s = 8$

8. $\frac{52.5}{31.5} = \frac{15}{p} \Rightarrow p = 9$

9. $\frac{26}{b} = \frac{39}{9} \Rightarrow b = 6$

10. $\frac{s}{1.4} = \frac{33.6}{5.6} \Rightarrow s = 8.4$

11. $\frac{18.4}{n} = \frac{22.8}{11.4} \Rightarrow n = 9.2$

12. $\frac{15}{45} = \frac{9}{j} \Rightarrow j = 27$

13. $\frac{44}{k} = \frac{22}{94} \Rightarrow k = 188$

14. $\frac{60}{50} = \frac{h}{42} \Rightarrow h = 50.4$

15. $\frac{200}{c} = \frac{400}{26} \Rightarrow c = 13$

16. $\frac{78}{80} = \frac{39}{d} \Rightarrow d = 40$

17. $\frac{46}{15} = \frac{92}{y} \Rightarrow y = 30$

18. $\frac{z}{84} = \frac{1}{12} \Rightarrow z = 7$

19. $\frac{x}{180} = \frac{15}{20} \Rightarrow x = 135$

20. $\frac{4}{21} = \frac{m}{84} \Rightarrow m = 16$