

PracticeStudent Edition
Pages 188–193**Solving Proportions****Solve each proportion.**

1. $\frac{1}{7} = \frac{a}{14}$

2. $\frac{8}{2} = \frac{12}{h}$

3. $\frac{5}{b} = \frac{3}{9}$

4. $\frac{9}{6} = \frac{15}{b}$

5. $\frac{3}{y} = \frac{9}{21}$

6. $\frac{21}{24} = \frac{c}{8}$

7. $\frac{8}{3} = \frac{32}{x}$

8. $\frac{4}{5} = \frac{p}{25}$

9. $\frac{24}{g} = \frac{3}{8}$

10. $\frac{5}{2} = \frac{13}{a}$

11. $\frac{1.5}{c} = \frac{15}{5}$

12. $\frac{6}{2.4} = \frac{x}{4}$

13. $\frac{4}{2} = \frac{x+2}{3}$

14. $\frac{c+5}{15} = \frac{8}{6}$

15. $\frac{7}{7} = \frac{10}{b+3}$

16. $\frac{y}{y+3} = \frac{2}{5}$

17. $\frac{z+6}{12} = \frac{z}{4}$

18. $\frac{5}{4} = \frac{a+4}{2a}$

Convert each measurement as indicated.

19. 5 pounds to ounces

20. 3000 grams to kilograms

21. 7 feet to inches

22. 4 meters to centimeters

23. 6 quarts to gallons

24. 250 centimeters to meters