

Practice Problems

1. Solve $d = rt$ for r
2. Solve $P = \frac{144p}{y}$ for p
3. Solve $R = \frac{CS}{a}$ for C
4. Solve $P = a + b + c$ for b
5. Solve $T = m - n$ for n
6. Solve $A = \frac{a+b}{2}$ for b
7. Solve $V = lwh$ for w
8. Solve $m = \frac{y_2 - y_1}{x_2 - x_1}$ for y_2
9. Solve $ax + by = c$ for y
10. Solve $A = \frac{a+b+c+d}{4}$ for c
11. Solve $S = 2(lw + lh + wh)$ for w
12. Solve $P = 2(l + w)$ for l
13. Solve $d = \frac{C}{\pi}$ for π
14. Solve $\frac{1}{f} = \frac{1}{a} + \frac{1}{b}$ for f
15. Solve $A = p(1 + rt)$ for t
16. Solve $I = prt$ for r
17. Solve $ax + b = c$ for a
18. Solve $S = 2\pi rh$ for h
19. Solve $A = 2\pi r^2 + 2\pi rh$ for h
20. Solve $y - y_1 = m(x - x_1)$ for x
21. Solve $R = \frac{l+3w}{2}$ for w
22. Solve $ax + by + c = 0$ for y
23. Solve $C = \frac{5}{9}(F - 32)$ for F
24. Solve $\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2}$ for R
25. Solve $H = \frac{62.4NS}{33,000}$ for N
26. Solve $B = \frac{703w}{h^2}$ for w
27. Solve $K = \frac{1}{2}mv^2$ for m
28. Solve $5t - 2r = 25$ for t
29. Solve $S = R - rR$ for R
30. Solve $V = \frac{1}{3}\pi h^2(3r - h)$ for r
31. Solve $A = \frac{1}{2}nal$ for n
32. Solve $\frac{P_1V_1}{T_1} = \frac{P_2V_2}{T_2}$ for T_1
33. Solve $F = \frac{gm_1m_2}{d^2}$ for g
34. Solve $\frac{12ds}{w} = CD$ for w
35. Solve $A = \frac{1}{2}bh$ for b
36. Solve $s = r\theta$ for θ
37. Solve $h = vt - 16t^2$ for v
38. Solve $C = \frac{100B}{L}$ for L
39. Solve $A = S(1 - DN)$ for N
40. Solve $D = \frac{11}{5}(P - 15)$ for P
41. Solve $E = IR$ for I
42. Solve $E = mc^2$ for c^2
43. Solve $F = \frac{lt}{d}$ for l
44. Solve $A = 2\pi r^2 + 2\pi rh$ for π