

EXAMPLES**1 and 2**

on pp. 134–135
for Exs. 15, 16

15. **TAKS REASONING** What is the solution of $-8 = d - 13$?
 (A) -21 (B) -5 (C) 5 (D) 21
16. **TAKS REASONING** What is the solution of $22 + v = -65$?
 (A) -87 (B) -43 (C) 43 (D) 87

EXAMPLES
3 and 4

on pp. 135–136
for Exs. 17–30


SOLVING MULTIPLICATION AND DIVISION EQUATIONS Solve the equation.

Check your solution.


- | | | |
|------------------------|--------------------------|-------------------------|
| 17. $5g = 20$ | 18. $-4q = 52$ | 19. $48 = 8c$ |
| 20. $-108 = 9j$ | 21. $15 = -h$ | 22. $187 = -17r$ |
| 23. $\frac{y}{3} = 5$ | 24. $\frac{m}{2} = 14$ | 25. $8 = \frac{x}{6}$ |
| 26. $7 = \frac{t}{-7}$ | 27. $-11 = \frac{z}{-2}$ | 28. $-3 = \frac{d}{14}$ |

ERROR ANALYSIS Describe and correct the error in solving the equation.

29.

$$\begin{aligned} x + 3.8 &= 2.3 \\ x + 3.8 - 3.8 &= 2.3 + 3.8 \\ x &= 6.1 \end{aligned}$$


30.

$$\begin{aligned} \frac{x}{3} &= 27 \\ 3 \cdot \frac{x}{3} &= \frac{27}{3} \\ x &= 9 \end{aligned}$$


SOLVING EQUATIONS Solve the equation. Check your solution.

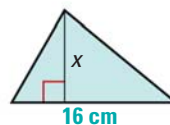
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|-------------------------------------|----------------------------------|-----------------------------------|
| 31. $b - 0.4 = 3.1$ | 32. $-3.2 + z = -7.4$ | 33. $-5.7 = w - 4.6$ |
| 34. $-6.1 = p + 2.2$ | 35. $8.2 = -4g$ | 36. $-3.3a = 19.8$ |
| 37. $\frac{3}{4} = \frac{1}{8} + v$ | 38. $\frac{n}{4.6} = -2.5$ | 39. $-0.12 = \frac{y}{-0.5}$ |
| 40. $\frac{1}{2}m = 21$ | 41. $\frac{1}{3}c = 32$ | 42. $-7 = \frac{1}{5}x$ |
| 43. $\frac{3}{2}k = 18$ | 44. $-21 = -\frac{3}{5}t$ | 45. $-\frac{2}{7}v = 16$ |
| 46. $\frac{8}{5}x = \frac{4}{15}$ | 47. $\frac{1}{3}y = \frac{1}{5}$ | 48. $-\frac{4}{3} = \frac{2}{3}z$ |

GEOMETRY The rectangle or triangle has area A . Write and solve an equation to find the value of x .

49. $A = 54 \text{ in.}^2$



50. $A = 72 \text{ cm}^2$

**CHALLENGE** Find the value of b using the given information.

51. $4a = 6$ and $b = a - 2$

52. $a - 6.7 = 3.1$ and $b = 5a$