

Problem Set 51 — Even Answers

2. 55 g

4a. half of them = 50,000

b. 68.2% of them = 68,200

c. 15.9% of them = 15,900

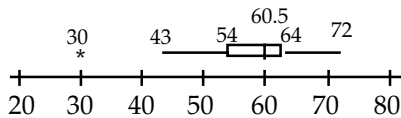
6. 32°

8. 2×10^{15}

10. 3×10^{50}

12. $12,528 \text{ in}^2$

14.
$$\begin{array}{l|l} 3 & 0 \\ 4 & 3 \\ 5 & 0 \ 8 \ 8 \\ 6 & 0 \ 1 \ 2 \ 3 \ 5 \ 8 \\ 7 & 2 \\ 4 & 3 \text{ means } 43 \end{array}$$



16. $k = \frac{\text{cm}}{a - bc}$

18a. $(fg)(x) = x^2 - x$

b. $\{x \in \mathfrak{R} \mid x \geq 0\}$

c. $(FG)(-4) = \emptyset$

20. $x = \frac{7}{2} \pm \frac{\sqrt{77}}{2} \approx -0.887, 7.887$

22a. $\sin a = 0.8$

b. $\cos d = 0.6$

c. $\tan b = 0.75$

24a. 4

b. $\sqrt{3}$

26. $\frac{22\sqrt{30}}{3}$

28. $x = -6, 2$

30. $x = 3$