

CHAPTER 1, TEST A

1. Verify
2. The process of arriving at a general conclusion on the basis of repeated observations of specific examples
3. 77, 100, 126. Add **5** to the first term 2, to get 7
Add **8** to the second term, to get 15
Add **11** to the third term, to get 26
and so on.
4. Select a number **n**, multiply it by 4,
add 10 to the product,
divide the sum by 2,
and subtract 5 from the quotient
 - 4a. 2, 20, 200
 - 4b. Twice the original number **n**
- 5a. 719.3 5b. 700
- 6a. 7663 6b. 62 6c. \$6.20 6d. \$186
- 7a. 40 years 7b. 36 years
- 8a. Wet 8b. 1/3
- 9a. 92% 9b. U.S.
- 10a. 2/20 10b. 4.67% 10c. 0.48%

$$\begin{aligned} &4n \\ &4n + 10 \\ &\quad 2n + 5 \\ &\quad 2n + 5 - 5 \\ &\quad\quad 2n \end{aligned}$$

CHAPTER 1, TEST B

1. (c) 2. (a) 3. (c) 4. (a) 5. (b) 6. (d)
7. (b) 8. (b) 9. (b) 10. (b) 11. (d) 12. (d)
13. (c) 14. (c) 15. (b) 16. (d) 17. (a) 18. (d)
19. (b) 20. (d)