

6th Grade Unit 1: Lesson 1-4

Check Your Understanding (p. 18):

- 6. 25
- 7. 76
- 8. 317
- 9. 3.4
- 10. 8.55
- 11. 3.375

Activity 1 Practice Lesson 1-4 (p. 24):

- 18. C
- 19. B
- 20. (a) 418 residents per square mile
(b) 38 square miles
(c) 305,979
- 21. \$12

Lesson 1-4 Practice (p. 18):

- 12. 36.4 miles per gallon
- 13. \$14.75
- 14. 18,144
- 15. (a) North America: 0.05 animals per sq. yd.
South America: 0.06 animals per sq. yd.
Africa: 0.05 animals per sq. yd.
Asia: 0.04 animals per sq. yd.
(b) Entire Park: 0.05 animals per sq. yd.
(c) Possible answer: Add to find the total number of animals and the total area. Divide the first sum by the second.
- 16. (a) $28 \div 3.5 = 8$; $28 \div 8 = 3.5$
(b) Multiplication and division are inverse operations.
- 17. Answers may vary. Sample answer:

$$\frac{6}{3} = \frac{6}{3} \times 1 = \frac{6}{3} \times \frac{100}{100} = \frac{600}{300}$$