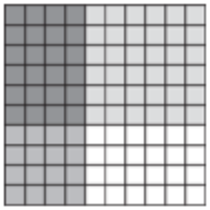
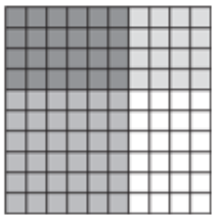
6th Grade Unit 1: Lesson 1-3

Check Your Understanding (p. 14):

13. (a) 0.24



(b) 0.24



(c) Commutative Property of Multiplication

14. (a) 28.14

(b) 3.462

(c) 156.91

(d) 450

(e) 0.002414

(f) 63.18

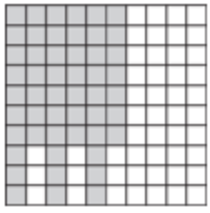
Lesson 1-3 Practice (p. 14):

15. (a) Possible estimate: \$300; Answers may vary. Sample answer: Round 32 to 30 and \$10.75 to \$10. Then multiply $30 \times 10 = 300$.

(b) \$344

(c) Yes, it is close to the estimate.

16. (a)



(b) 0.51

17. (a) Possible estimate: $7{,}000\ m^2$

(b) $7{,}446.44\ m^2$

18. (a) afternoon

(b) 10.47 miles

19. No; Answers may vary. Sample answer: The product of a whole number and a decimal less than 1 must be less than the product of the same whole number and 1, which is the whole number itself. So, the product of a whole number and a decimal less than 1 must be less than the whole number. 5 × 1 = 5, so 5 × 0.9 must be less than 5: 5 × 0.9 = 4.5.

20. (a) Multiply $4.2 \times 6.43 = 27.006$ or find the sum $(4.2 \times 6) + (4.2 \times 0.43) = 25.2 + 1.806 = 27.006$.

(b) Distributive Property of Multiplication over Addition.

Activity 1 Practice Lesson 1-3 (p. 23):

13. B

14. C

15. \$32.85

16. (a) Answers may vary. Sample Answer: 240 miles; Round 3.85 to 5 and 61.4 to 60. Then $4 \times 60 = 240$.

(b) 236.39 miles

(c) Answers may vary. Sample Answer: Yes, the answer is close to my estimate of 240 miles.

17. (a) 287.4 meters

(b) 4,917.5 square meters