6th Grade Unit 1: Lesson 5-2

Check Your Understanding (p. 68):

3. (a) 10 (b) $2\frac{2}{3}$

   (c) $6\frac{4}{7}$ (d) 50

   (e) $\frac{7}{9}$ (f) $5\frac{2}{3}$

   (g) 84 (h) $1\frac{1}{2}$

   (i) 6

4. Step 1: A mixed number is the sum of a whole number and a fraction.

   Step 2: Distributive Property

   Step 3: Simplify by multiplying

Lesson 5-2 Practice (p. 68):

5. $2\frac{1}{4}$ yd.

6. $3\frac{1}{2}$ cups

7. $12\frac{1}{10}$ in.

8. No; Answers may vary. Sample Answer: Chases' method for finding $1\frac{1}{2} \times 1\frac{1}{2}$: First multiply the whole numbers $1 \times 1 = 1$ and then the fractions $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$, then add the two together and the sum is $1\frac{1}{4}$.

   The actual product :

   $1\frac{1}{2} \times 1\frac{1}{2} = \frac{3}{2} \times \frac{3}{2} = \frac{9}{4} = 2\frac{1}{4}$

9. 125 miles

10. (a) Stack A

    (b) 8 inches

Activity 5 Practice Lesson 5-2 (p. 70):

13. C

14. A

15. D

16. the Distributive Property

17. She can divide both 60 and 36 by their greatest common factor, 12.

18. $64\frac{1}{2}$ inches

19. When multiplying $\frac{4}{3} \times \frac{5}{3}$, the student forgot to multiply the denominators $3 \times 3 = 9$.

20. 11 hours

21. 39 miles

22. $324