Lesson 8.5
Homework Answers
Pg 448 - #1-16, 25-27, 29, 31-33, 36, 48-50

1. 7.5	33. 9
2. 8	36. 4.5 *cm* or 12.5 *cm*
3. 5.2	48. Yes; since $\dfrac{6}{10} = \dfrac{9}{15}$, the segments are ∥ by the
4. *d*	
5. *c*	Converse of the Side-Splitter Theorem.
6. *b*	49. No; $\dfrac{28}{12} \neq \dfrac{24}{10}$
7. *d*	
8. 7.5	50. Yes; since $\dfrac{15}{12} = \dfrac{20}{16}$, the segments are ∥ by the
9. $3\dfrac{1}{3}$	Converse of the Side-Splitter Theorem.
10. 9.6	
11. 6	
12. 4.8	
13. 35	
14. 3.6	
15. $\dfrac{40}{7}$	
16. 12	
25. 559 *ft*	
26. 671 *ft*	
27. 3.8 *cm* and 9.2 *cm*	
29. *x* = 18 *m*; *y* = 12 *m*	
31. 20	
32. 2.5	