

Chapter 7 Practice Test 1

Name _____

Find the value of n in the proportions below.

_____ 1. $\frac{n}{4} = \frac{7}{5}$

_____ 2. $\frac{3}{4} = \frac{9}{n}$

_____ 3. $\frac{3}{9} = \frac{n}{6}$

_____ 4. $\frac{n+1}{9} = \frac{4}{6}$

_____ 5. $\frac{4}{n+2} = \frac{9}{2n+3}$

_____ 6. $\frac{1}{2} = \frac{n}{9}$

Find the value of x in the triangles below knowing that the two horizontal lines are parallel.

Figure 1

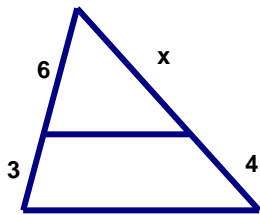


Figure 2

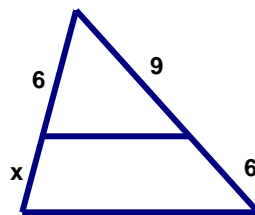


Figure 3

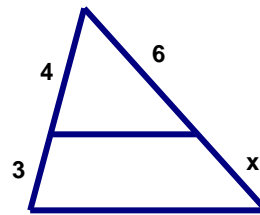


Figure 4

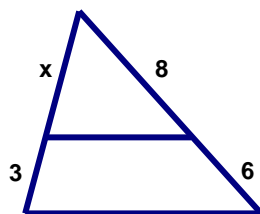


Figure 5

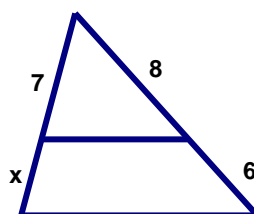


Figure 6

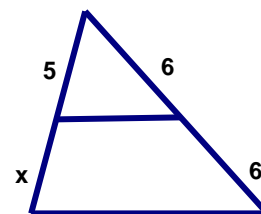


Figure 1: x value is _____.

Figure 2: x value is _____.

Figure 3: x value is _____.

Figure 4: x value is _____.

Figure 5: x value is _____.

Figure 6: x value is _____.

Figure 7

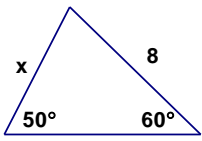


Figure 8

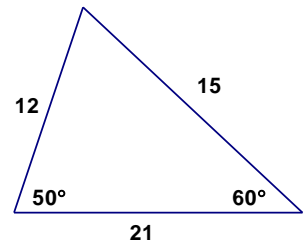


Figure 9

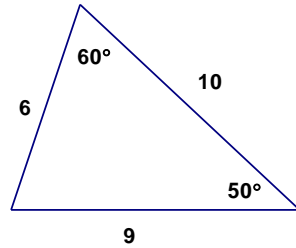
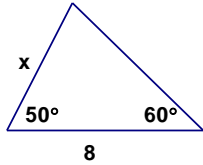


Figure 10

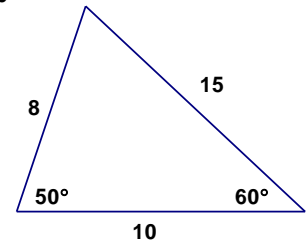
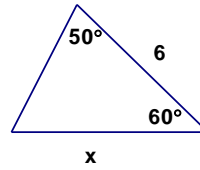


Figure 11

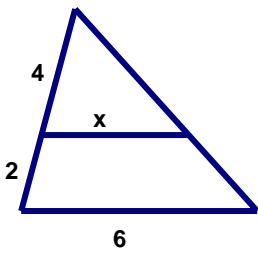


Figure 12

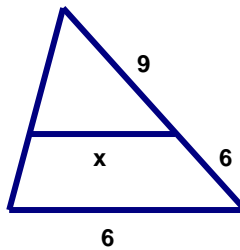


Figure 13

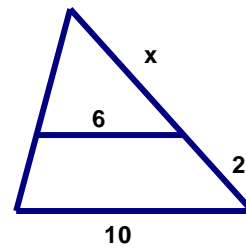


Figure 14

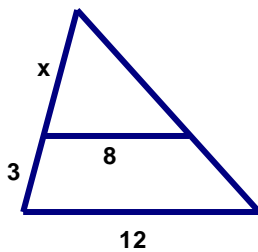


Figure 15

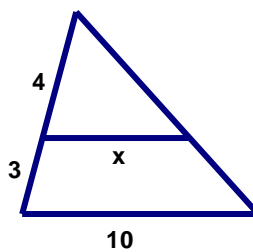


Figure 16

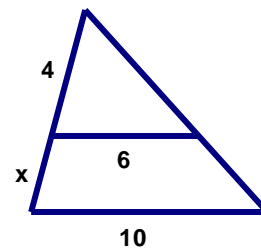


Figure 7: x value is _____.

Figure 8: x value is _____.

Figure 9: x value is _____.

Figure 10: x value is _____.

Figure 11: x value is _____.

Figure 12: x value is _____.

Figure 13: x value is _____.

Figure 14: x value is _____.

Figure 15: x value is _____.

Figure 16: x value is _____.

Figure 17

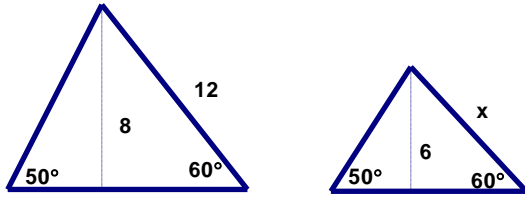


Figure 18

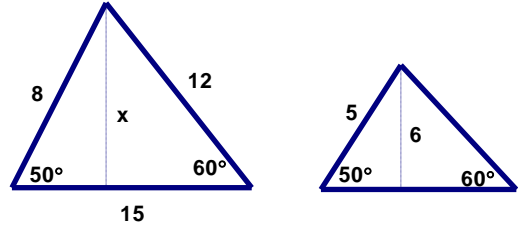


Figure 19

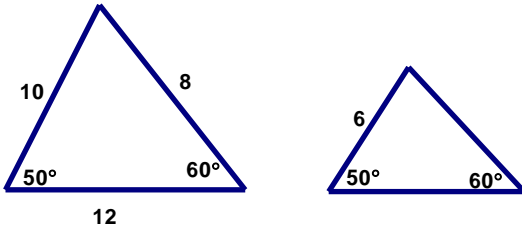


Figure 20

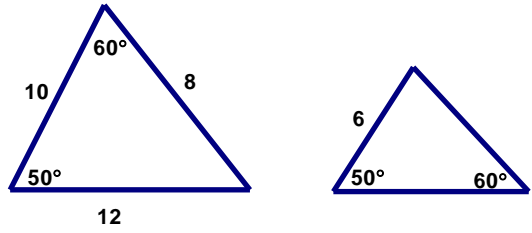


Figure 21

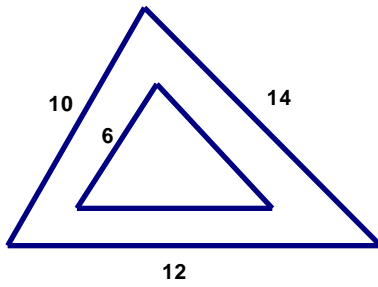


Figure 22

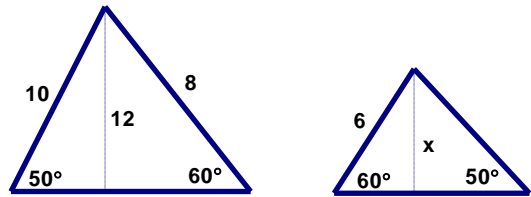


Figure 17: x value is _____.

Figure 18: x value is _____.

Figure 19: Perimeter of 2nd figure is _____

Figure 20: Perimeter of 2nd figure is _____

Figure 21: Perimeter of 2nd figure is _____

Figure 22: x value is _____.