

7-1 Proportions and Side-Splitter

Name _____

Find the value of n in the proportions below.

_____ 1. $\frac{n}{4} = \frac{7}{2}$

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

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

_____ 4. $\frac{n+1}{9} = \frac{4}{3}$

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

_____ 6. $\frac{1}{2} = \frac{n}{14}$

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

Figure 1

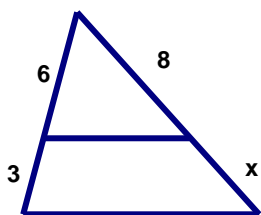


Figure 2

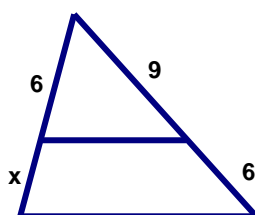


Figure 3

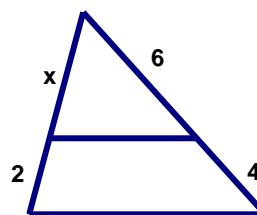


Figure 4

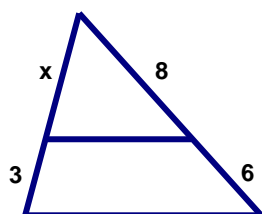


Figure 5

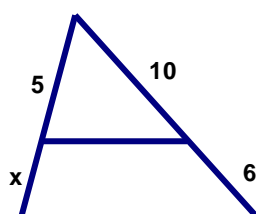


Figure 6

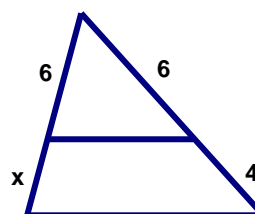


Figure 1: x value is _____.

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 _____.