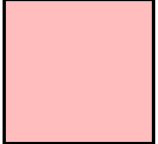

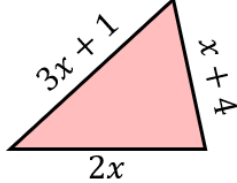


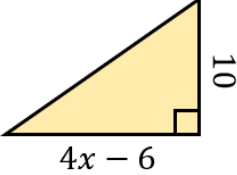

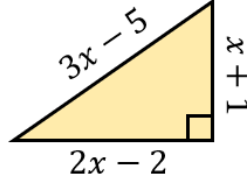

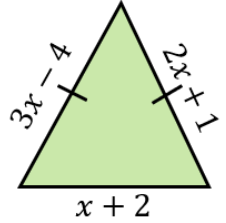
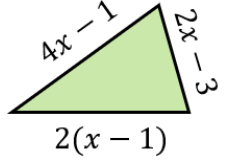


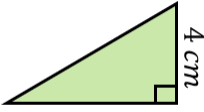


Using Algebra in Shapes

Using Algebra in Shapes			
(a)	(b)	(c)	(d)
<p>The perimeter of the square is 20 cm. Find the value of x.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> $x - 1$  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> $x = 6$ </div> </div>	<p>The perimeter of the rectangle is 20 cm. Find the value of x.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> $2x$  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> $x = 3$ </div> </div>	<p>The perimeter of the triangle is 29 cm. Find the value of x.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> $x = 4$ </div> </div>	<p>The perimeter of the rectangle is 34 cm. Find the value of x.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> $3x + 1$  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> $x = 4.5$ </div> </div>
(e)	(f)	(g)	(h)
<p>The area of the rectangle is 36 cm^2. Find the value of x.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> $2x - 1$  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> $x = 5$ </div> </div>	<p>The area of the triangle is 50 cm^2. Find the value of x.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> $x = 4$ </div> </div>	<p>The perimeter of the rectangle is 28 cm. Find its area.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> $4x - 2$  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> 40 cm^2 </div> </div>	<p>The perimeter of the triangle is 24 cm. Find its area.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> 24 cm^2 </div> </div>
(i)	(j)	(k)	(l)
<p>Find the perimeter of this rectangle.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> $5x - 1$  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> 12 cm </div> </div>	<p>Find the perimeter of this triangle.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> 29 cm </div> </div>	<p>The perimeter of the triangle is equal to the perimeter of the rectangle. Find the value of x.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  </div> <div style="margin-left: 20px; text-align: center;">  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> $x = 4$ </div> </div>	<p>The area of the rectangle is twice the area of the triangle. Work out the value of x.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 20px;">  </div> <div style="text-align: center;">  </div> <div style="margin-left: 20px; color: red; font-size: 1.2em;"> $x = 4.5$ </div> </div>