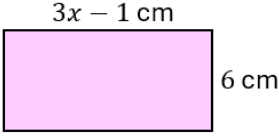
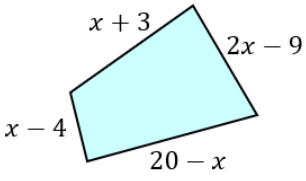
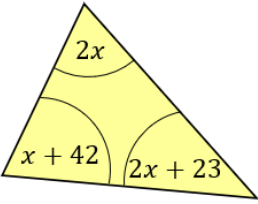
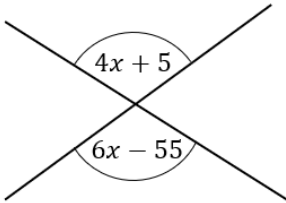
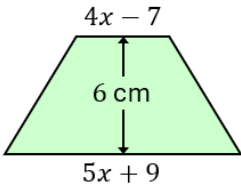
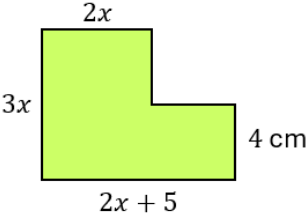
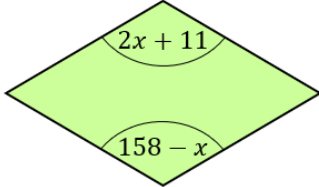
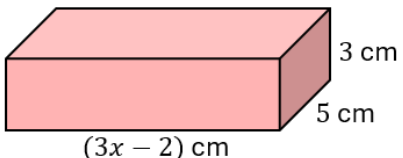
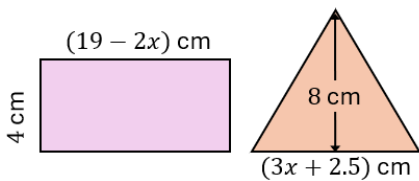
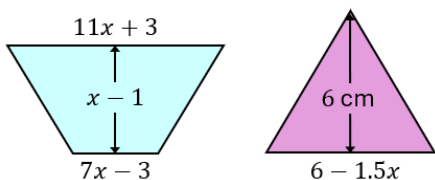


Crack the Code

Forming and Solving Equations

<p>A</p>	<p>The area is 138 cm^2</p>  <p style="text-align: right;">8</p>	<p>The perimeter is 43 cm. All lengths are in cm.</p>  <p style="text-align: right;">11</p>
<p>C</p>	 <p style="text-align: right;">23</p>	 <p style="text-align: right;">30</p>
<p>E</p>	<p>The area is 343.5 cm^2. All lengths are in cm.</p>  <p style="text-align: right;">12.5</p>	<p>A cuboid has dimensions of 5 cm, 3.6 cm and $(5 + 3x)$ cm. The volume of the cuboid is 846 cm^3.</p> <p style="text-align: right;">14</p>
<p>G</p>	<p>The area is 236 cm^2. All lengths are in cm.</p>  <p style="text-align: right;">6</p>	<p>The shape is a rhombus.</p>  <p style="text-align: right;">3.3</p>
<p>I</p>	<p>The total surface area is 343.6 cm^2.</p>  <p style="text-align: right;">7.2</p>	<p>The two shapes have equal areas.</p>  <p style="text-align: right;">49</p>
<p>K</p>	<p>Here are four numbers: x, $x + 2$, $x + 7$ and 170. The mean of the four numbers is twice the mean of the first three numbers.</p> <p style="text-align: right;">31</p>	<p>The area of the trapezium is twice the area of the triangle. All lengths are in cm.</p>  <p style="text-align: right;">2</p>

In each question, form and solve an equation in x . To get the three-digit code, add all your solutions together. **197**

