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| **Using Algebra in Shapes** |
| **(a)** | **(b)** | **(c)** | **(d)** |
| The perimeter of the square is $20 cm$. Find the value of $x$. | The perimeter of the rectangle is $20 cm$. Find the value of $x$. | The perimeter of the triangle is $29 cm$. Find the value of $x$. | The perimeter of the rectangle is $34 cm$. Find the value of $x$. |
| **(e)** | **(f)** | **(g)** | **(h)** |
| The area of the rectangle is $36 cm^{2}$. Find the value of $x$. | The area of the triangle is $50 cm^{2}$. Find the value of $x$. | The perimeter of the rectangle is $28 cm$. Find its area. | The perimeter of the triangle is $24 cm$. Find its area. |
| **(i)** | **(j)** | **(k)** | **(l)** |
| Find the perimeter of this rectangle. | Find the perimeter of this triangle. | The perimeter of the triangle is equal to the perimeter of the rectangle. Find the value of $x$. | The area of the rectangle is twice the area of the triangle. Work out the value of $x$. |