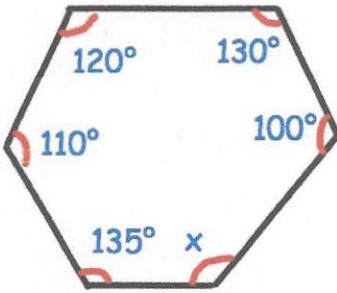


23rd February



Corbettmaths



$$\underline{720^\circ}$$

Find x

$$720 - 595 =$$

$$\underline{125^\circ}$$

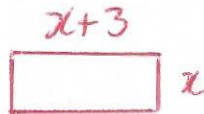
Solve the inequality  $9x + 4 < 5x - 14$

$$4x + 4 < -14$$

$$4x < -18$$

$$x < -4.5$$

A rectangle has one side 3cm longer than the other. Write an expression for the area.



$$x(x+3)$$

$$x^2 + 3x$$

$\frac{99}{100}, \frac{97}{95}, \frac{95}{90}, \frac{93}{85}, \dots$

$$-5n + 105$$

100 95 90  
-5 -10 -15

Find the nth term

$$\begin{matrix} 99, 97, 95, 93 \\ -2 \quad -4 \quad -6 \quad -8 \end{matrix} \quad -2n + 101$$

$$\frac{-2n + 101}{-5n + 105}$$

$$\text{or } \frac{101 - 2n}{105 - 5n}$$

The ratio of the sizes of angles in a quadrilateral is 1:2:2:4

$$\begin{aligned} 1 + 2 + 2 + 4 &= 9 \\ 360 \div 9 &= 40^\circ \end{aligned}$$

Work out the size of each angle.

$$40^\circ, 80^\circ, 80^\circ, 160^\circ$$