
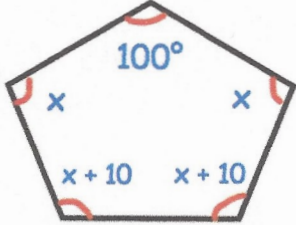
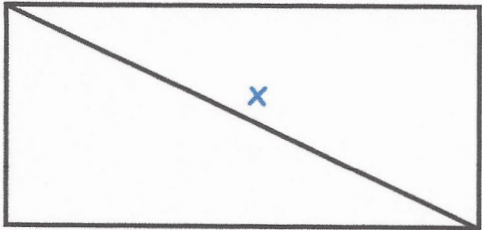


17th August		 Corbettmaths
$\frac{99}{100}, \frac{97}{95}, \frac{95}{90}, \frac{93}{85}, \dots \dots$ <p>Find the nth term</p>	$\frac{-2n + 101}{-5n + 105} \quad \text{or} \quad \frac{101 - 2n}{105 - 5n}$	
 $4x + 120 = 540$ $4x = 420$ $x = 105$	Find x	105°
	Find the length of the diagonal of the rectangle.	$7^2 + 20^2 = 449$ $\sqrt{449} = 21.19\text{cm}$
<p>The mass of Earth is 5.97×10^{24}</p> <p>The mass of Jupiter is 1.898×10^{27}</p> $(1.898 \times 10^{27}) \div (5.97 \times 10^{24})$	Work out how many times heavier Jupiter is than Earth. Give your answer to one decimal place.	317.9
<p>A line has equation $y = -4x$</p> <p>Write down the gradient of the line</p> -4	Write down the y-intercept of the line	$(0, 0)$ or 0