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*n* = 18



## **GCSE Angle Facts**



Sum of interior angles =  $180(number \ of \ sides - 2)^{\circ}$ 



Click the link below to find more Angles revision: <u>www.addvancemaths.com/anglefacts/</u>

Example! The interior angle of a regular *n*-sided polygon is  $120^{\circ}$ . Tip: If a questions What is the value of *n*? asks to find the number of sides, Method 1  $180(n-2)^{\circ}$ Method 2 and provides an  $120n = 180(n-2)^{\circ}$ Ext + Int = 180interior angle, it is 120n = 180n - 360easier to solve Ext + 120 = 180with the exterior 360 = 180n - 120nExt = 60angle.  $60n = 360^{\circ}$ 360 = 60nn = 6n = 6