

# Download Formula To Find Sum Of Interior Angles

Method 1 Using the Formula 1. Set up the formula for finding the sum of the interior angles. 2. Count the number of sides in your polygon. 3. Plug the value of into the formula. Remember, is the number of sides in your polygon. 4. To do this, subtract 2 from the number of sides, and multiply the ...Sum of interior angles =  $360^\circ$  How To Find One Interior Angle. To find the measure of a single interior angle, then, you simply take that total for all the angles and divide it by n, the number of sides or angles in the regular polygon. The new formula looks very much like the old formula: In order to find the measure of a single interior angle of a regular polygon (a polygon with sides of equal length and angles of equal measure) with n sides, we calculate the sum interior angles or  $(n-2) \cdot 180$  and then divide that sum by the number of sides or  $n$ . The Sum of interior angles of a 3 sided polygon i.e. triangle is  $(n - 2) 180^\circ = (3-2) 180^\circ = 180^\circ$  For four sided polygon the sum of interior angles is  $(4-2) 180^\circ = 2 \times 180^\circ = 360^\circ$  Similarly the sum of interior angles of 5 sided polygons is  $(5-2) 180^\circ = 3 \times 180^\circ = 540^\circ$ . Formula To Find Sum Of Interior Angles.

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