

I'm not a bot

































This assemblage of printable angles in polygons worksheets for grade 6 through high school encompasses a multitude of exercises to find the sum of interior angles of both regular and irregular polygons, find the measure of each interior and exterior angle, simplify algebraic expressions to find the angle measure and much more. Based on the number of sides used, these worksheets are categorized into easy and moderate levels of difficulty. Employ the Regular polygons - Angles chart as a precursor. Some of these handouts are absolutely free of cost. Sum of the Interior Angles | Easy Decompose the regular and irregular polygons presented in these pdf worksheets into individual triangles. Multiply the number of triangles formed with 180 to determine the sum of the interior angles. Each polygon has sides 10. Sum of the Interior Angles | Moderate Substitute the number of sides of the polygons(n) in the formula  $(n - 2) * 180$  to compute the sum of the interior angles of the polygon. This level helps strengthen skills as the number of sides ranges between 3 & 25. Interior Angle of a Regular Polygon | Easy Count the number of sides in each of the polygons featured in this batch of worksheets for 6th grade and 7th grade students. Divide the given sum of the interior angles by the number of angles in the polygon to find the size of each interior angle. Interior Angle of a Regular Polygon | Moderate Hone your skills in finding the measure of each individual interior angle with this set of printable worksheets featuring regular polygons with 20 sides. The problems are offered as geometrical shapes and in the word format. Interior Angle of an Irregular Polygon Add up all the given interior angles in the irregular polygons and subtract it from the given sum of the interior angles to determine the measure of the unknown interior angles in these irregular polygons. Exterior Angle of Regular Polygons The sum of the exterior angles at each vertex of a polygon measures 360o. Divide 360 by the number of sides, to figure out the size of each exterior angle in this unit of regular polygons pdf worksheets for 8th grade and high school students. Find the Indicated Interior Angles | Algebra in Polygons Determine the sum of the interior angles using the formula. Set up an equation by adding all the interior angles, presented as numerical and algebraic expressions and solve for x. Plug in the value of x in the algebraic expressions to find the indicated interior angles. 2025 Kuta Software. Allrightsreserved.

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