



Grade 4

Topic: Angle Measures

Instructions

Show the Angle Measures.

Section 1: Complementary and Supplementary Angles

1. Find the complement of a 40° angle.
2. Find the supplement of a 110° angle.
3. If two angles are complementary and one angle is 35° , find the other angle.
4. If two angles are supplementary and one angle is 85° , find the other angle.

Section 2: Vertical and Adjacent Angles

1. Two vertical angles are equal. If one angle measures 72° , find the measure of its vertical angle.

2. Two adjacent angles form a straight line. If one angle is 120° , find the other angle.

Section 3: Angles in a Triangle

1. The sum of the angles in a triangle is 180° . If two angles measure 50° and 60° , find the third angle.
2. In an isosceles triangle, two angles are equal. If the third angle is 40° , find the other two angles.

Section 4: Angles in a Quadrilateral

1. The sum of the angles in a quadrilateral is 360° . If three angles measure 90° , 85° , and 95° , find the fourth angle.
2. In a parallelogram, opposite angles are equal. If one angle is 75° , find all the angles.

Section 5: Angle Relationships in Parallel Lines

1. Two parallel lines are cut by a transversal. If one alternate interior angle measures 65° , find the measure of all corresponding and alternate angles.
2. Two consecutive interior angles are supplementary. If one angle is 80° , find the other angle.

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