



Grade 4

Topic: Find Unknown Angle Measures

Instructions

Show the Unknown Angle Measure.

1 Complementary Angles

Find the unknown angle x in the following:

1. $x + 35^\circ = 90^\circ$
2. $x + 47^\circ = 90^\circ$
3. $x + 62^\circ = 90^\circ$

2 Supplementary Angles

Find the unknown angle y in the following:

1. $y + 110^\circ = 180^\circ$
2. $y + 95^\circ = 180^\circ$
3. $y + 85^\circ = 180^\circ$

3 Vertically Opposite Angles

Find the unknown angle z in the following:

1. $z = 75^\circ$
2. $z = 108^\circ$
3. $z = 124^\circ$

4 Angles in a Triangle

Find the unknown angle a in the following triangles:

1. $a + 40^\circ + 50^\circ = 180^\circ$
2. $a + 65^\circ + 45^\circ = 180^\circ$
3. $a + 80^\circ + 60^\circ = 180^\circ$

5 Angles in Parallel Lines

Find the unknown angle b in the following:

1. Alternate interior angles: $b = 65^\circ$
2. Corresponding angles: $b = 78^\circ$
3. Co-interior angles: $b + 102^\circ = 180^\circ$

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