Finding Unknown Angle Measures

FLORIDA GRADE 4 MATH | B.E.S.T. BENCHMARK MA.4.GR.1.3 | STUDENT WORKSHEET

Name: _____ **Date:** _____

Directions: Solve each problem. Show your work in the space provided.

1. A 75° angle is split into a 30° angle and an angle x. Find x.

2. A right angle is split into three angles: 20°, 35°, and a. Find a.

3. Two angles make a straight angle. One is 112°. Find the other angle, n.

4. Three angles fill a full turn (360°). Two are 90° and 120°. Find the third angle, x.

5. A door is open 105°. Then it closes by 40°. How wide is it open now?

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Answer Key

1. **x = 45°**

30 + 45 = 75

2. **a = 35°**

20 + 35 + 35 = 90

3. **n = 68°**

112 + 68 = 180

4. **x = 150°**

90 + 120 + 150 = 360

5. **65°**

105 − 40 = 65

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