

Blue Activity: Angles

Learning Objective: To identify and solve problems with complementary and supplementary angles

Part A – Matching (Concept Check)

Match the words to the correct definition:

1. Complementary angles
 2. Supplementary angles
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- a. Two angles that add up to 180°
 - b. Two angles that add up to 90°

Part B – Fill in the Blanks (Guided Practice)

1. If one angle is 30° , its complement is $\underline{\quad}^\circ$.
2. If one angle is 75° , its complement is $\underline{\quad}^\circ$.
3. If one angle is 120° , its supplement is $\underline{\quad}^\circ$.
4. If one angle is 45° , its supplement is $\underline{\quad}^\circ$.

Part C – UAE Context (Simple Word Problems)

1. During UAE National Day, two searchlights make a right angle (90°). If one light is 25° , the other must be $\underline{\quad}^\circ$.

2. A spotlight shines on the Burj Khalifa at 110° . What is the measure of the supplementing spotlight? $\underline{\quad}^\circ$.

Complementary and Supplementary Angles
