## Drawing Angles - Grade 9 Activities

1. Draw an angle of 75.

2. The **Burj Al Arab hotel** is built on a sail-shaped structure. Draw two connected angles: one acute (40°) and one obtuse (140°), sharing the same vertex.

3. A **desert tent in Liwa** is supported by two poles forming angles of 70° and 40° with the ground. Draw these two angles at the same point to represent the tents shape.

4. A **mosque arch** can be modelled as an isosceles triangle with angles 50°, 50°, and 80°. Draw and label this triangle.

5. At a **Dubai road junction**, one road makes a 90° turn, and another lane branches off at 45°. Draw these two angles from the same point.

6. A **triangular section of the UAE flag design** has angles of 30°, 60°, and 90°. Draw and label this triangle.

7. A **triangle in Islamic geometric art** has angles of 60°, 60°, and 60°. Draw this equilateral triangle and explain why all angles are the same.

8. A **kite at the Abu Dhabi Corniche** is modeled as a quadrilateral with one pair of opposite angles: 120° and 60°. Draw these two angles next to each other.

9. The wings of a **falcon** make an angle of 150°. If the birds head adds another 30° angle downward, draw these two connected angles.

LIVEWORKSHEETS