

Lesson 81 **MIXED****Shape and angle construction review**

WHAT THIS LESSON TEACHES

Bring shape and angle skills together: **classify, construct and calculate** with accurate ruler-and-protractor work.

→ Measure twice; a 1° slip shows up across a whole construction.



DISCUSSION STARTER

REFLECT

Which is harder — measuring an angle accurately or drawing one? Why?

ANSWER KEY

W1: 45° is acute

W2: 107°

Q1: 39°

Q2: 42°

a) Always — True for every triangle.

b) Never — They add to 360°.

c) Always — It has four right angles and opposite sides equal — a special rectangle.

d) Never — They add to 180°; angles around a point add to 360°.

e) Never — Two right angles already use 180°, leaving nothing for the third.

f) Always — Always, when two straight lines cross.

EXTENSION SHEET · STRETCH ANSWERS

S1: 84°

S2: 84° is acute

S3: 74°

S4: a regular hexagon

S5: isosceles