

Lesson 74 **MIXED****Angles on a line, at a point and vertically opposite**

WHAT THIS LESSON TEACHES

Angles **on a straight line** add to 180° ; angles **around a point** add to 360° ; **vertically opposite** angles are equal.

→ On a line: $130^\circ + ? = 180^\circ \rightarrow 50^\circ$.

→ Around a point: angles total 360° .



MODEL THIS ON THE BOARD

ANGLES ON A STRAIGHT LINE ARE 125° AND x . FIND x .

① Angles on a line add to **180°** .

② $x = 180 - 125 = 55^\circ$.

ANSWER KEY

W1: 55°

Q2: 48°

W2: 22°

Q3: 124°

Q1: 27°

Q4: 41°

EXTENSION SHEET · STRETCH ANSWERS

S1: 27°

S3: 110°

S2: 74°