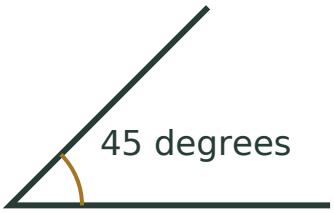
Measuring and constructing angles

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. Construct a 45-degree angle with a ruler and protractor. [2 marks]



Draw baseline; align centre and zero; mark 45; join the vertex to the mark.

Answer: A 45-degree angle.

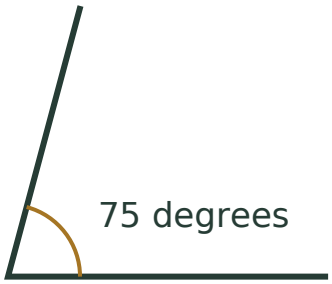
2. Construct a 120-degree angle. [2 marks]



Mark 120 from the correct zero; check that the opening is obtuse.

Answer: A 120-degree angle.

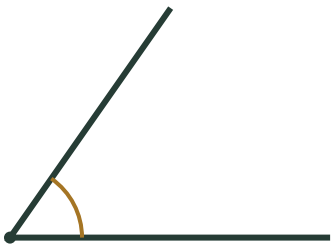
3. Construct a 75-degree angle. [2 marks]



Mark 75 from the baseline zero and draw the second ray.

Answer: A 75-degree angle.

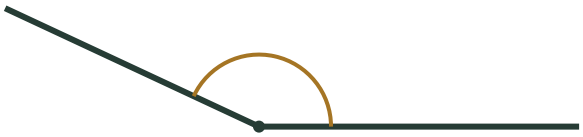
4. Measure this angle. [2 marks]



Align the centre and right baseline, then read about 55.

Answer: About 55 degrees; allow roughly 2 degrees for careful printed measurement.

5. Measure this angle. [2 marks]



Use the right baseline zero and read about 155.

Answer: About 155 degrees; allow roughly 2 degrees for careful printed measurement.

6. A learner draws 80 degrees, then extends both rays without changing their direction. Does the angle change? Explain. [2 marks]

Ray length does not change the turn between the rays.

Answer: No; it stays 80 degrees.