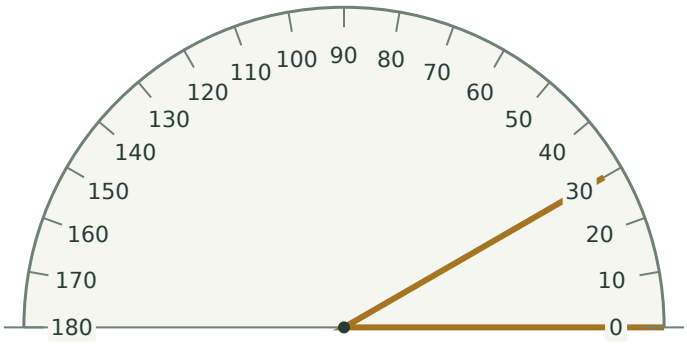
Using a protractor

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Read this angle. [1 mark]

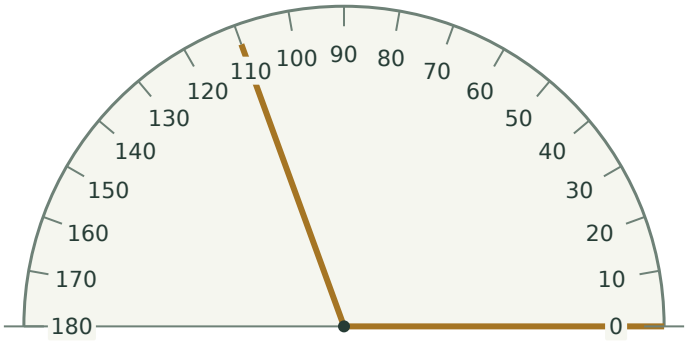


Start at the baseline ray.

Use the right baseline zero and read 30.

Answer: 30 degrees

2. Read this angle. [1 mark]

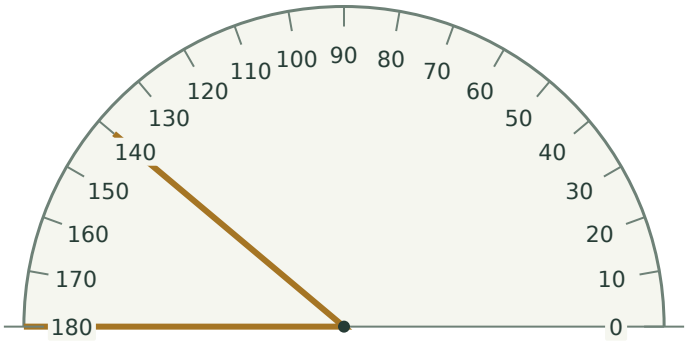


Start at the baseline ray.

Use the right baseline zero and read 110.

Answer: 110 degrees

3. Read from the left baseline. [2 marks]



Start at the baseline ray.

The ray reads 140 from the right; $180 - 140 = 40$.

Answer: 40 degrees

4. A ray is halfway between 70 and 80 degrees on the correct scale. Find the angle. [1 mark]

Halfway between 70 and 80 is 75.

Answer: 75 degrees

5. A learner puts the protractor edge at the vertex but not its centre. Explain the problem. [2 marks]

The centre mark must match the vertex, not an arbitrary edge.

Answer: The reading may be wrong.

6. An acute angle gives readings 50 and 130 on the two scales. Which is reasonable? Explain. [2 marks]

Acute means less than 90, whereas 130 is obtuse.

Answer: 50 degrees