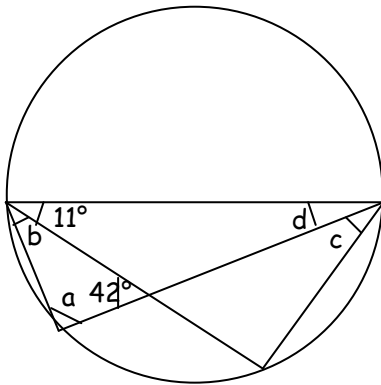


Solved problems

The following problems have already been solved, but reasons for each step need to be added. Can you explain each step?



$$a = 90^\circ$$

Angle subtended by diameter

$$b = 180^\circ - 90^\circ - 42^\circ \\ = 48^\circ$$

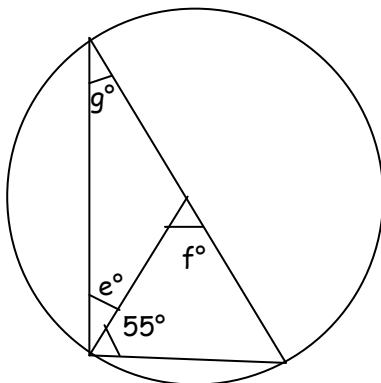
Angles in a triangle equal 180°

$$c = 48^\circ$$

Angles in the same segment (so equal to b)

$$d = 180^\circ - 90^\circ - 11^\circ - 48^\circ$$

Angles in a triangle equal 180°



$$e = 90^\circ - 55^\circ \\ = 35^\circ$$

Angle subtended by diameter

$$f = 180^\circ - 55^\circ - 55^\circ \\ = 70^\circ$$

Angles in an isosceles triangle = 180°

$$g = 35^\circ$$

Base angles of an isosceles triangle