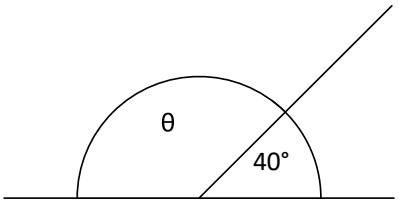
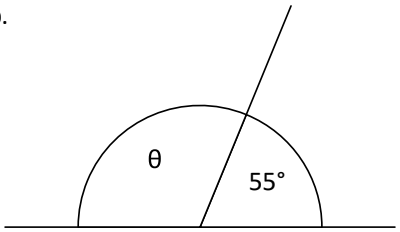
Angles on a straight line add up to 180°.

Work out the size of angle θ.

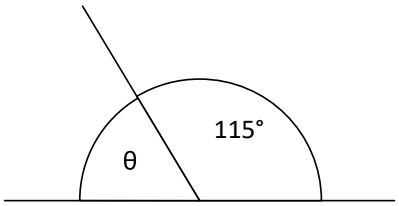
a.



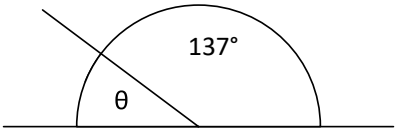
b.



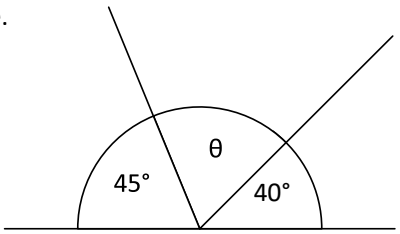
c.



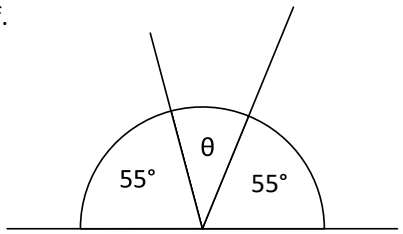
d.



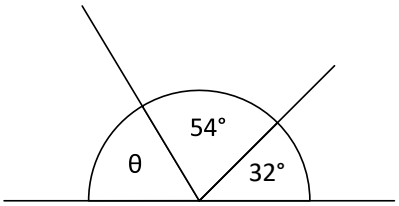
e.



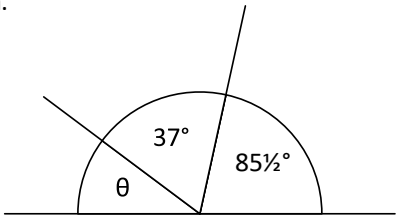
f.



g.

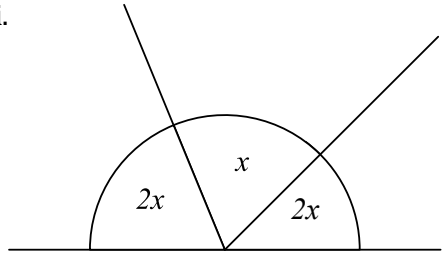


h.

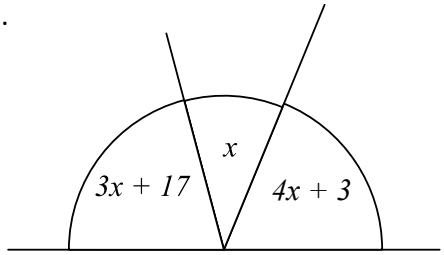


Challenge Questions: Calculate the value of x for each of the following problems.

i.



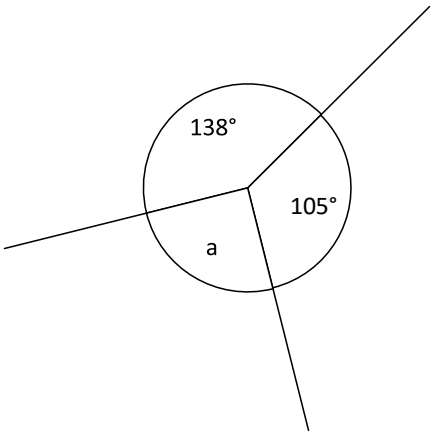
j.

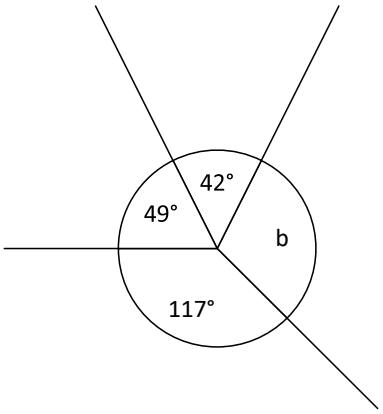


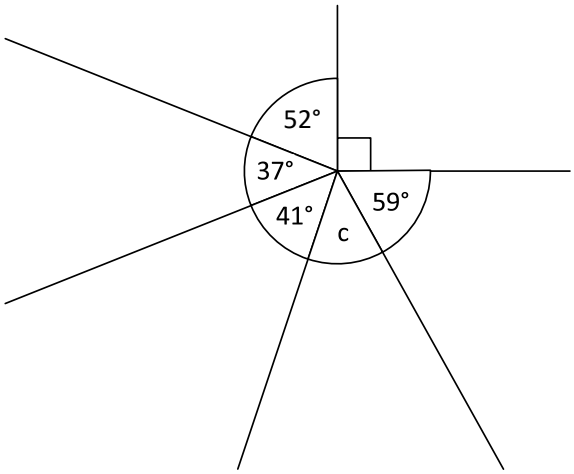
Angles about a point add up to 360°.

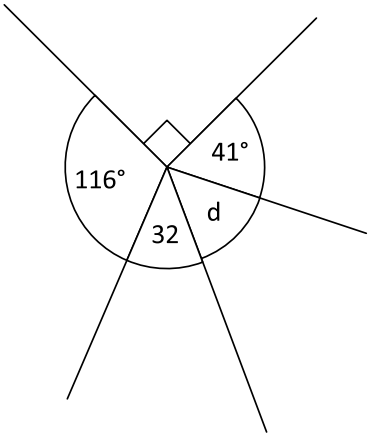
REMEMBER:  this symbol means a right angle which is an angle of 90°.

Work out the missing angles:



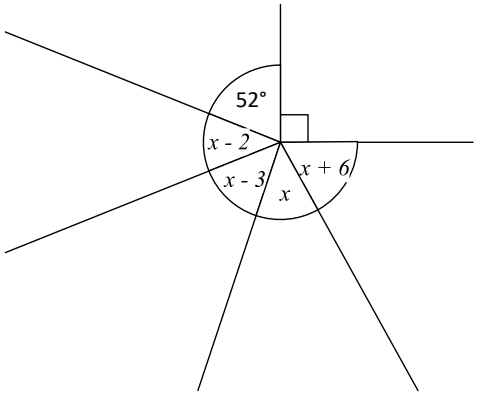




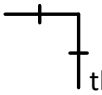


Challenge Questions

Work out the value of x.



Internal angles in a triangle add up to 180°.

REMEMBER:  the lines crossing these line segments mean that the line segments are the same length.

Find the missing angles in the following problems. You may need to use some of the information you have already learned to answer the questions.