

Circles 4 – “Angles in the Same Segment are Equal”

Questions (NB. None of these diagrams are to scale, so measuring angles won't help!
You may have to use other rules about angles and circles as well.)

- 1 In diagram A, find the sizes of angles a - f.
- 2 In diagram B calculate the angles marked g and h.

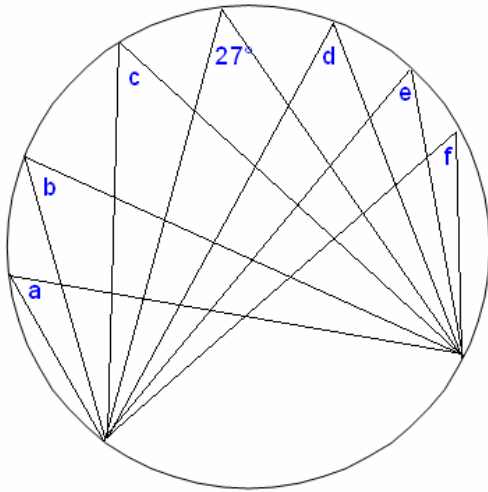


Diagram A

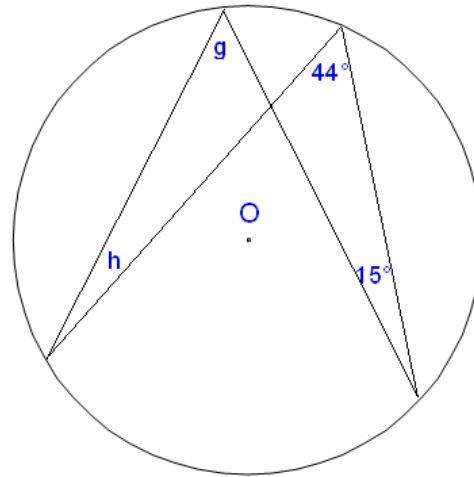


Diagram B

- 3 In diagram C, calculate the sizes of the angles marked j and k.
- 4 In diagram D, calculate angles m and n.

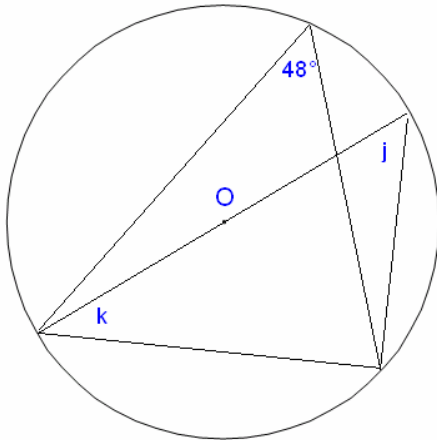


Diagram C

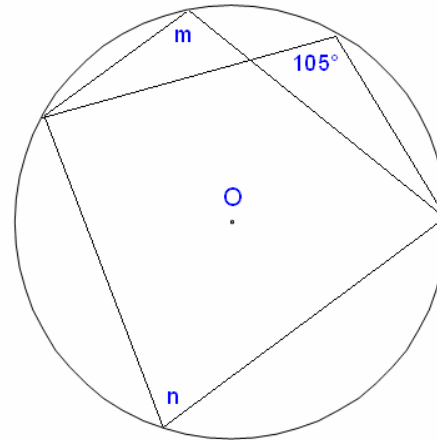


Diagram D

Answers: 1 all = 27° 2 $g = 44^\circ$, $h = 15^\circ$
 3 $j = 48^\circ$, $k = 42^\circ$ 4 $m = 105^\circ$, $n = 75^\circ$