Math Sheet

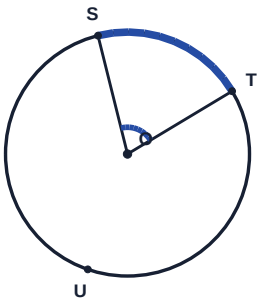
Name _____ Score _____ Teacher _____ Date _____

Arcs and Central Angles

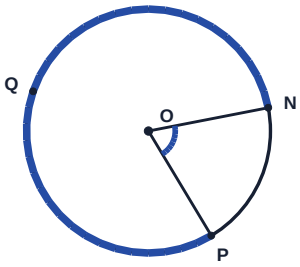
Name each marked figure or use the sector measures to find the requested arc and central angle.

Name figures

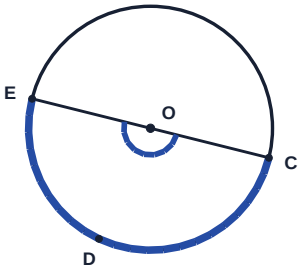
1. **Name the marked minor arc and the central angle.**



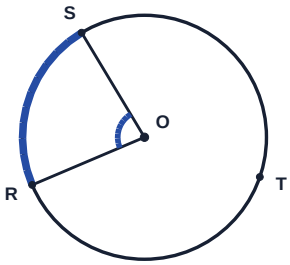
2. **Name the marked major arc and the central angle.**



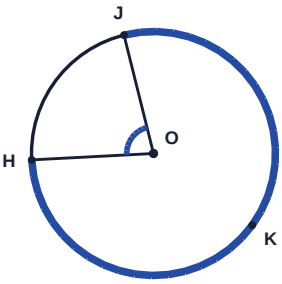
3. **Name the marked semicircle arc and the central angle.**



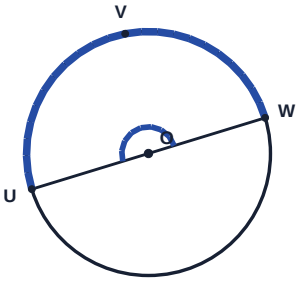
4. **Name the marked minor arc and the central angle.**



5. **Name the marked major arc and the central angle.**



6. **Name the marked semicircle arc and the central angle.**



A central angle equals its intercepted arc; a major arc uses 360 degrees minus the minor arc.

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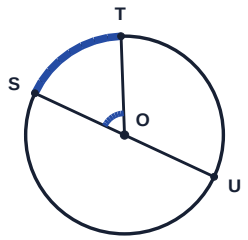
Arcs and Central Angles

Name each marked figure or use the sector measures to find the requested arc and central angle.

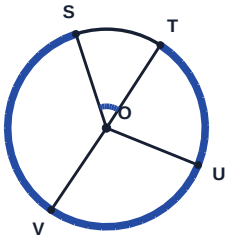
Find measures

7. Find minor arc ST and the central angle SOT.



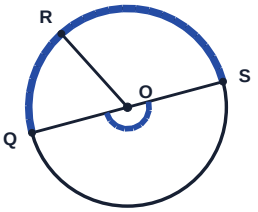
Given: Angle TOU = 117 deg; Angle UOS = 180 deg.

8. Find major arc TUS and the smaller central angle SOT.



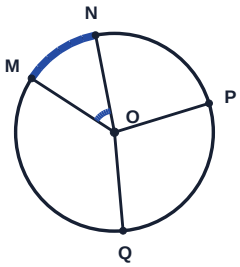
Given: Angle TOU = 79 deg; Angle UOV = 102 deg; Angle VOS = 128 deg.

9. Find semicircle arc QRS and the central angle SOQ.



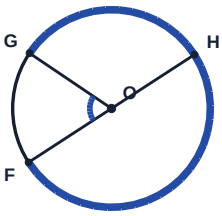
Given: Angle QOR = 63 deg; Angle ROS = 117 deg.

10. Find minor arc MN and the central angle MON.



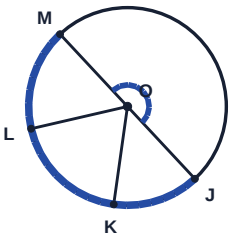
Given: Angle NOP = 84 deg; Angle POQ = 102 deg; Angle QOM = 128 deg.

11. Find major arc GHF and the smaller central angle FOG.



Given: Angle GOH = 113 deg; Angle HOF = 180 deg.

12. Find semicircle arc JKM and the central angle MOJ.



Given: Angle JOK = 51 deg; Angle KOL = 69 deg; Angle LOM = 60 deg.

A central angle equals its intercepted arc; a major arc uses 360 degrees minus the minor arc.