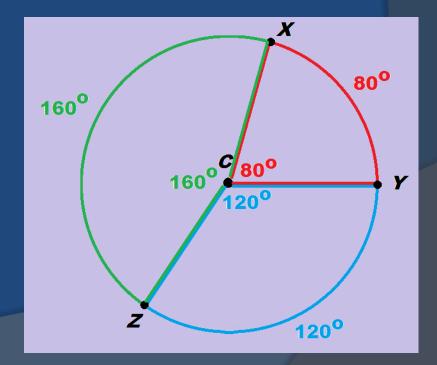
Geometry
Mr. Bower
BowerPower.net

ARCS AND CENTRAL ANGLES

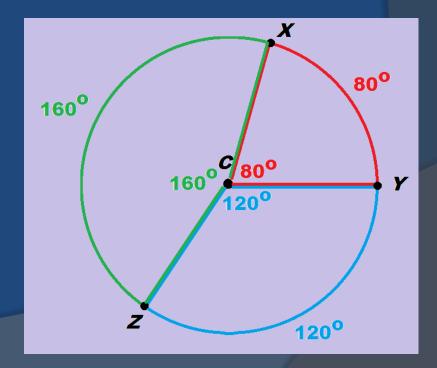
Central Angles

- The <u>vertex</u> is the center of the circle
- The <u>sides</u> are radii of the circle



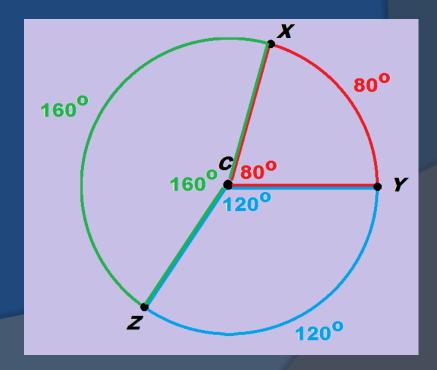
Central Angles

- ZXCY is a central angle
- YOU ->Name two more central angles



Central Angles

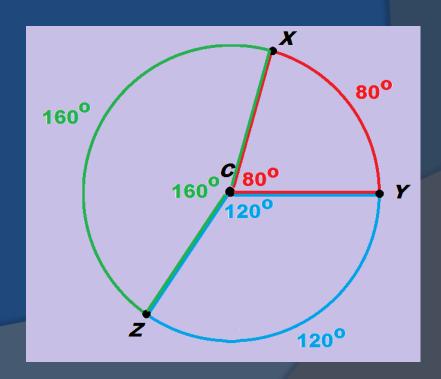
• What is the sum of the red, blue, and green central ∠s?



The measure of = measure of its an arc

central angle

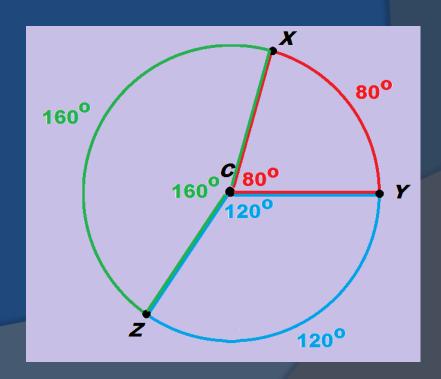
m ∠XCY = 80°



The measure of = measure of its an arc

central angle

m∠ZCY = ???°

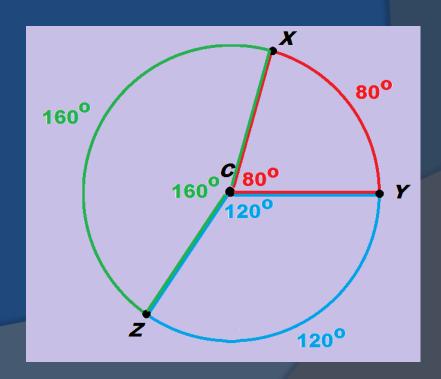


The measure of = measure of its an arc

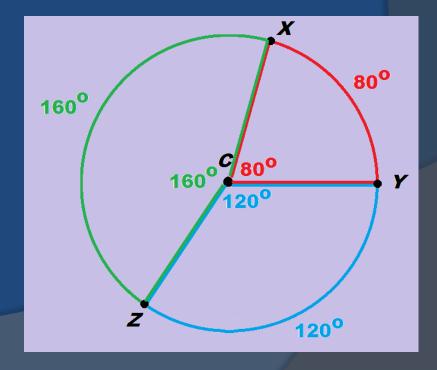
central angle

m∠ZCX = ???°

• m ZX = ???°



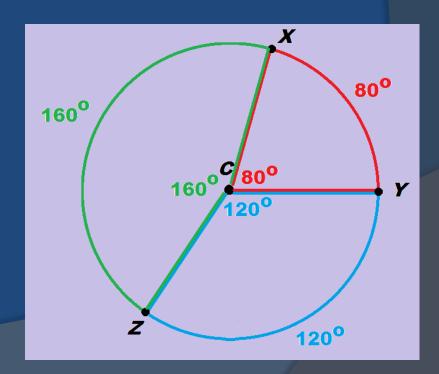
• What is the sum of the red, blue, and green arcs?



Minor Arcs

- Minor arcs are < 180°</p>
- When you see exactly two letters, this is a minor arc

m ZX = 160°

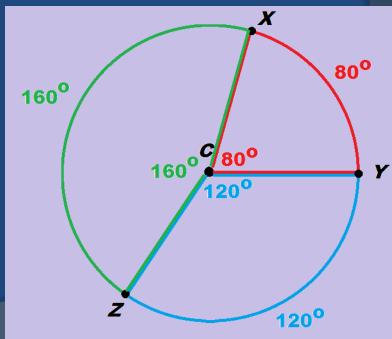


Major Arcs

• Major arcs are > 180°

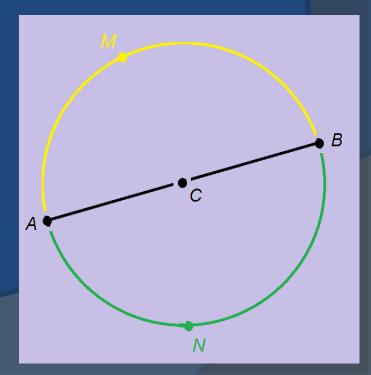
 When you see three letters, follow the path of the letters... it may be a major arc

• m ZYX = 200°



Semicircle

- A semicircle is an arc = 180°
- Do you see that the central angles are also 180°?
- m AMB = 180°



BowerPower.net