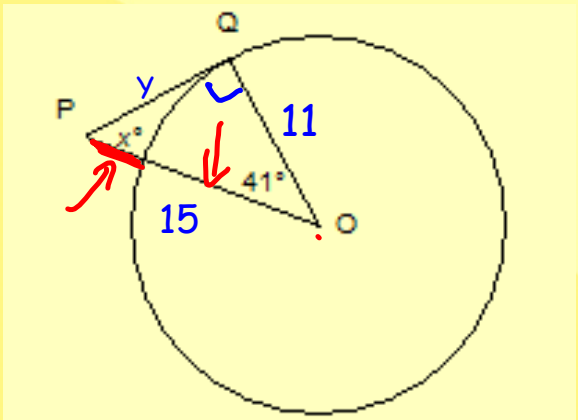
WARM-UP



$\angle QPO = 49°$

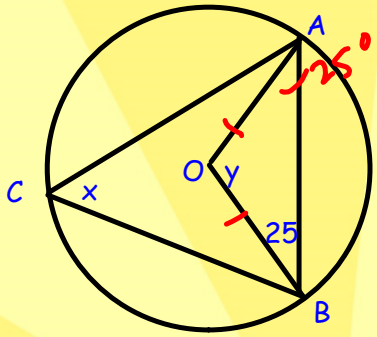
$c^2 = a^2 + b^2$

$15^2 = a^2 + 11^2$

$225 = a^2 + 121$

$a^2 = 104$

$a = 10.2$



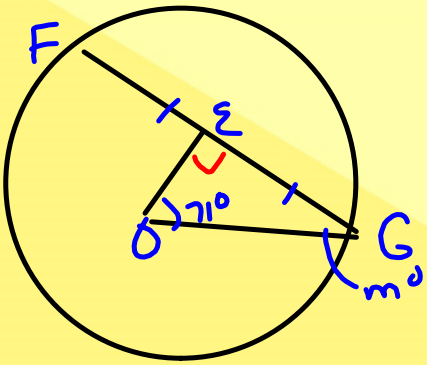
Know

$\angle ABO = 25$

Need

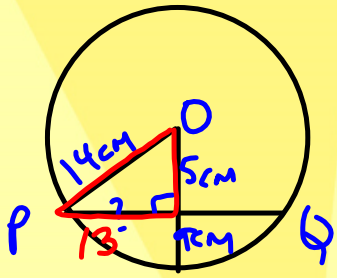
$\angle AOB = 130$

$\angle ACB = 65$



$m\overset{\frown}{FG} = 71°$

$FGO = 19°$



$c^2 = a^2 + b^2$

$14^2 = a^2 + 5^2$

$196 = a^2 + 25$

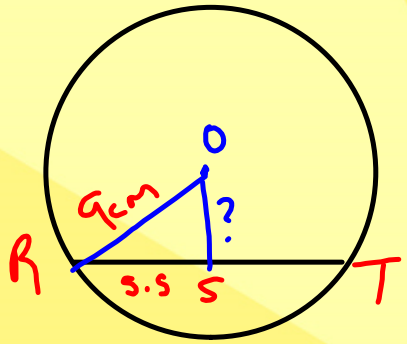
$171 = a^2$

$13.1 = a$

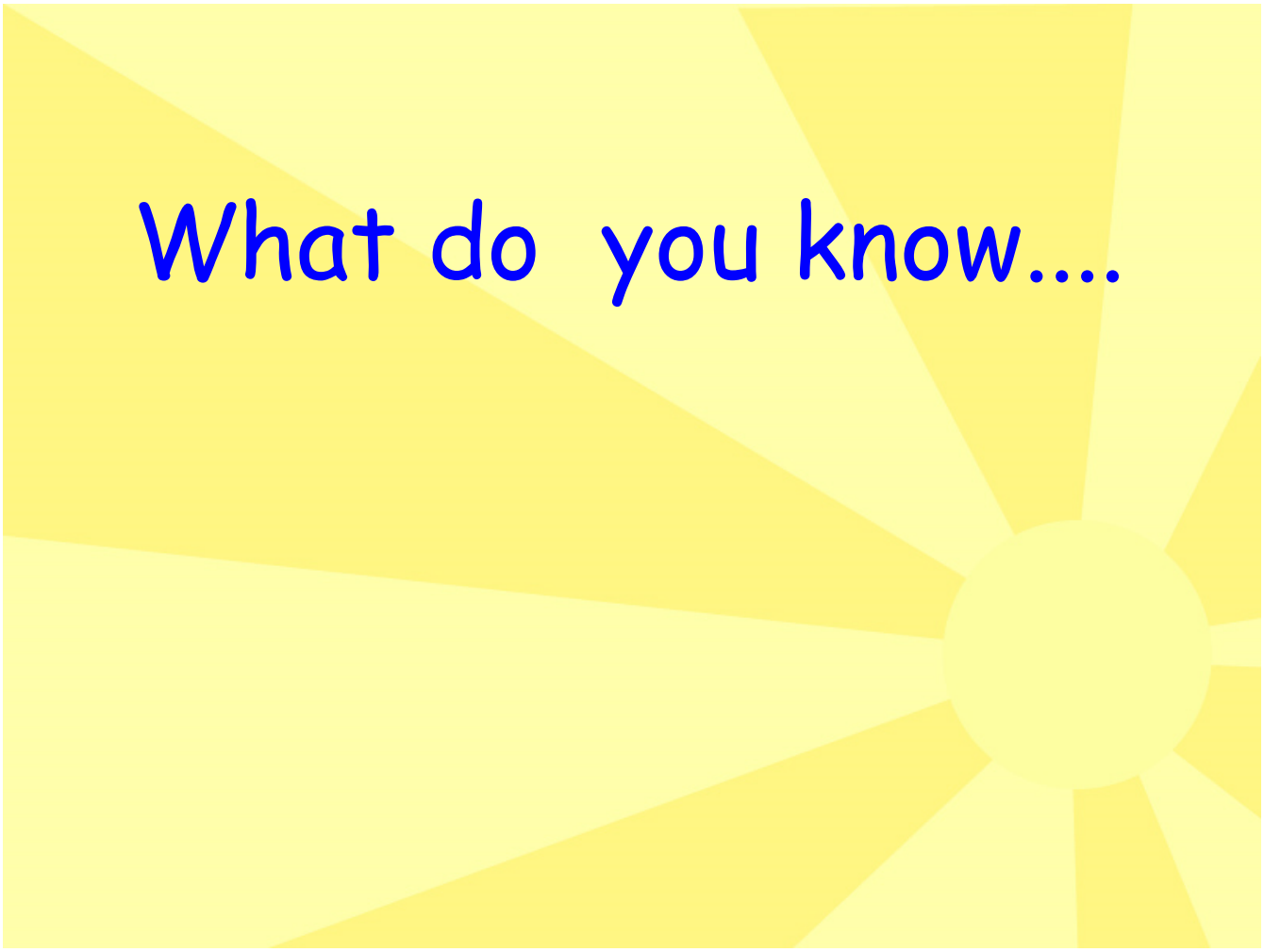
$PQ = 26.2$

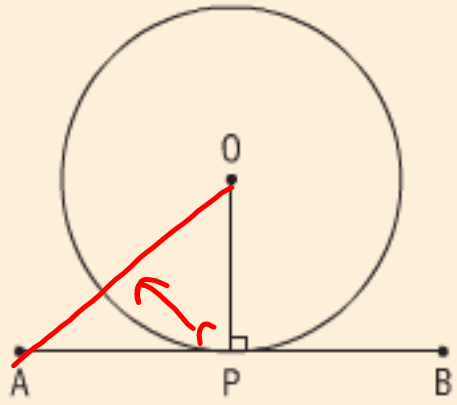
radius = 9cm
~~diameter~~ = 18cm

chord = 11

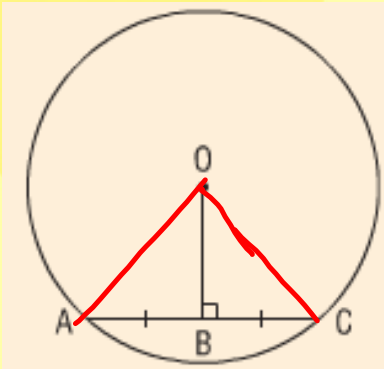


OS = 7.1

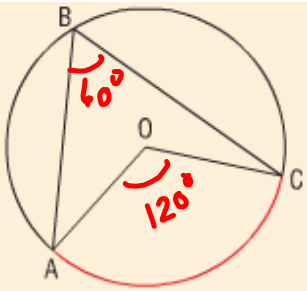

What do you know....



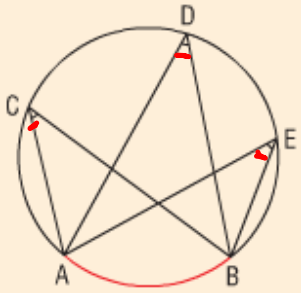
1. Point of tangency? P
2. Radius? OP
3. Tangent? AB
4. <OPB = 90°



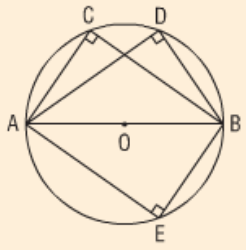
1. What is the OB / BD perpendicular bisector?
2. What is the radius? OA, OC
3. What is the chord? AC



Show the relationship:



Identify the three equal angles:



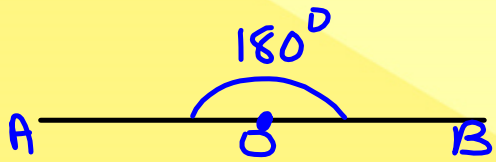
Semi-circle

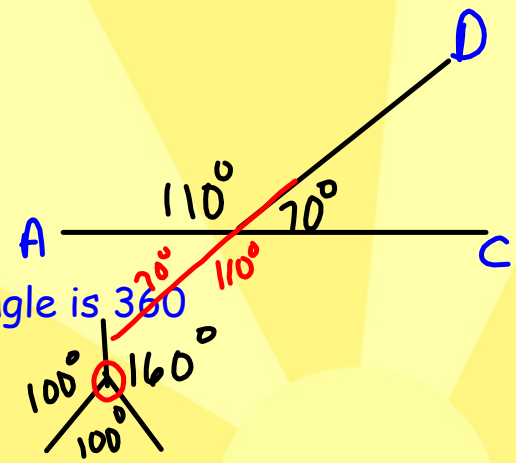
Angles subtended from a diameter are:___

* Any line from the center to the circumference is the radius

If angles not from the same Arc look for...

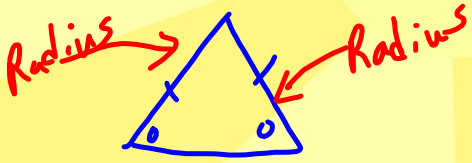
* straight line is 180





* the sum of the angles of the central angle is 360

* isosceles triangle has two equal sides with base angles being equal



From Friday...Page 410 3, 4, 5, 6, add 11

Test on Thursday

Page 418 -420 worksheet