

Chapter 9-5  
CIRCLES

12/14

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SWBAT: Know the  
Properties of Circles.

CIRCLE: is a set  
of points the same  
distance from a given  
point (the center).

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CHORD - a segment with  
both endpoints on the  
circle

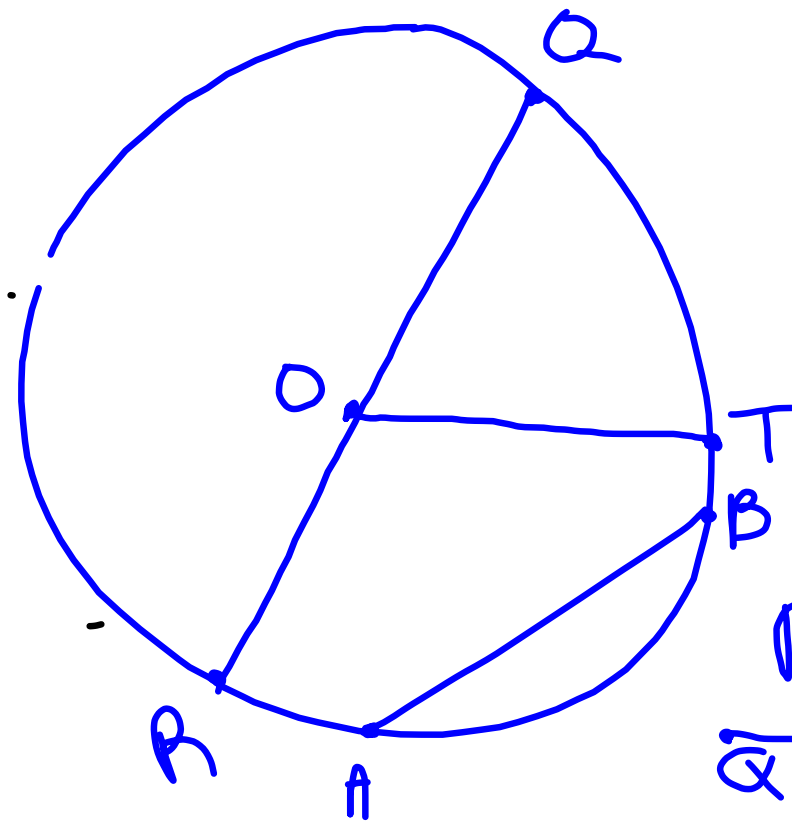
Diameter - is the largest  
chord & runs through the  
center point.

(Divides a circle in  $\frac{1}{2}$ )

Radius - has one endpoint at  
the center and the other on  
the circle itself.

$r = \frac{1}{2}$  of the Diameter

Central Angle. is an  
angle with its vertex  
at the center point



$\angle QOT$

$\angle TOR$

$\angle ROQ$

RADII

$OR$

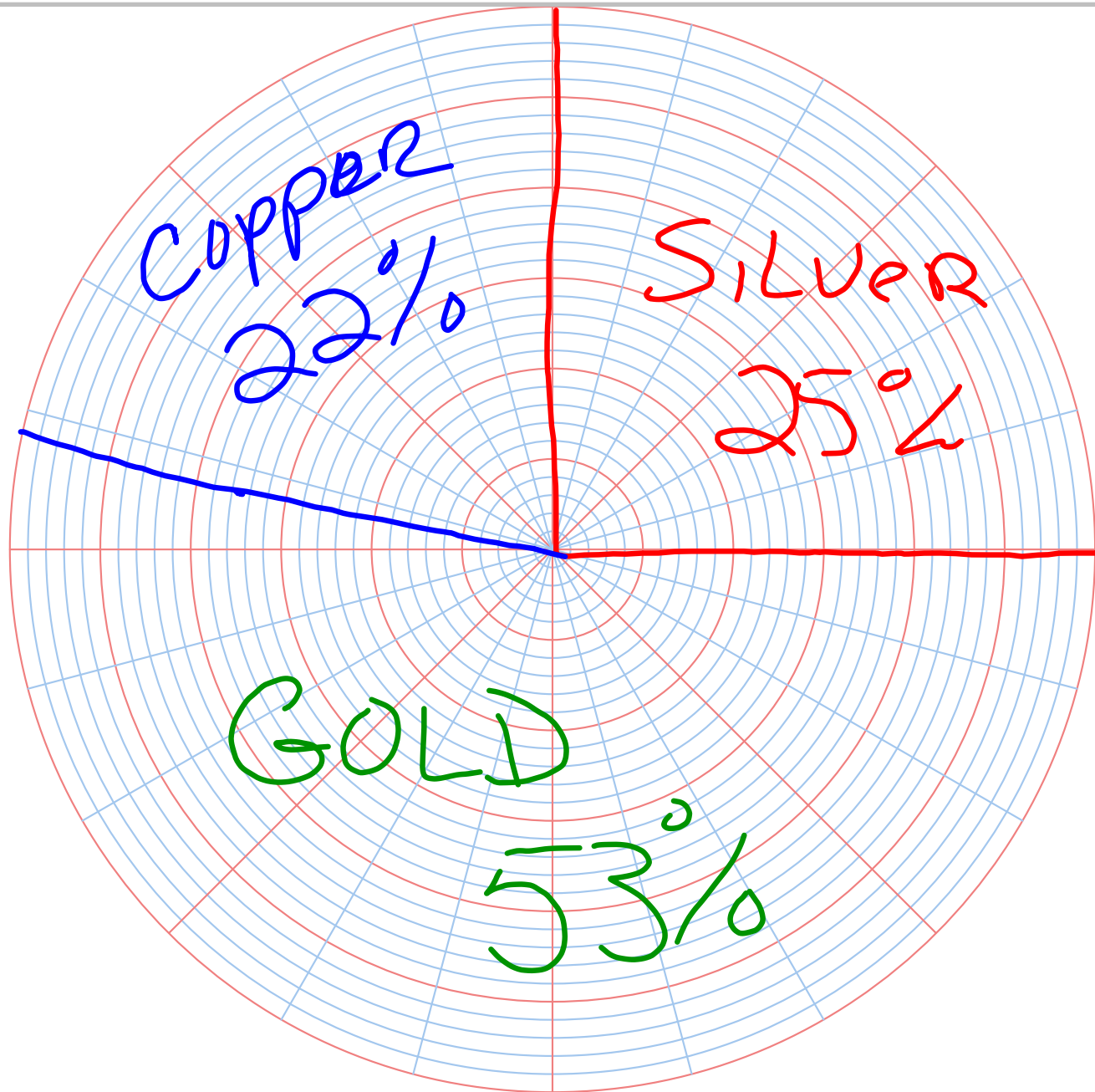
$OT$

$OT$

<u>Jewelery</u>	to	<u>Dec.</u>
Silver 25%		.25
Copper 22%		.22
GOLD 53%		.53
	<hr/>	<hr/>
	100%	1.00

## Decimals to Degrees

$$\begin{array}{l}
 .25 \times 360 = 90^\circ \\
 .22 \times 360 = 79^\circ \\
 .53 \times 360 = \underline{191^\circ} \\
 360^\circ
 \end{array}$$



Title: Polar coordinates - small (4 of 4)