

Good afternoon: warm up in notebooks (no need to copy question down)

Angular Size is a measure, in degrees, of an object's apparent size as opposed to its linear size. It is given by this formula:

$$A = 57.29^\circ * \frac{D}{d}$$

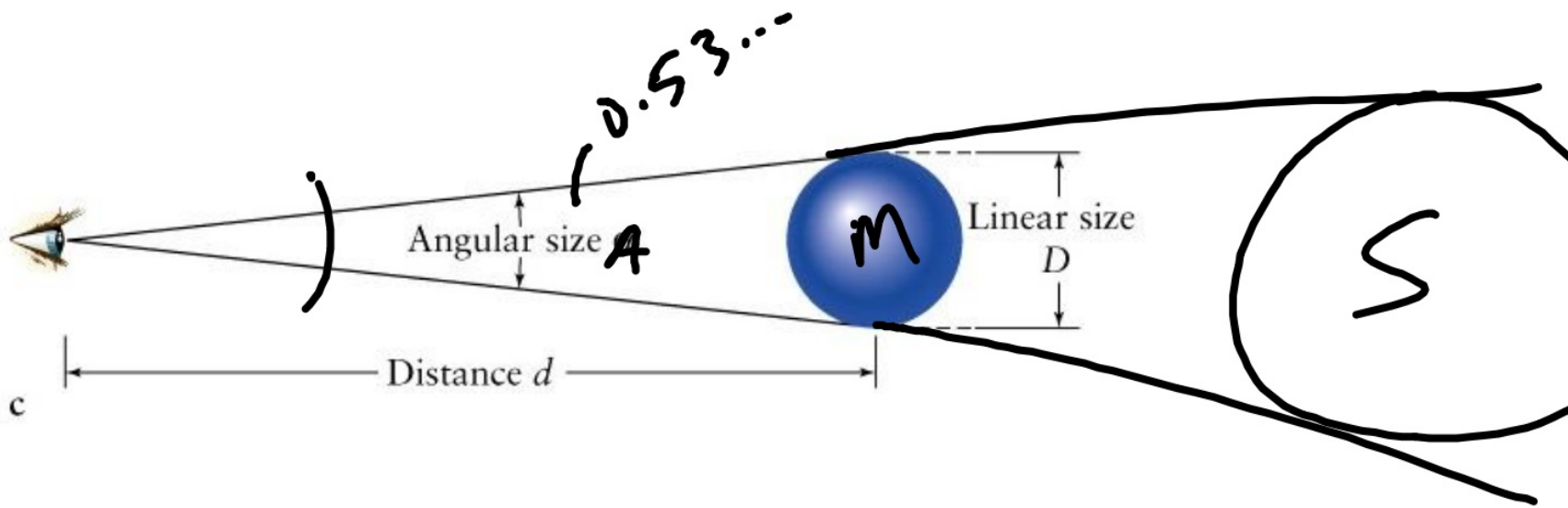
where D is the diameter of the object in kilometers and d is the distance to the object in kilometers.

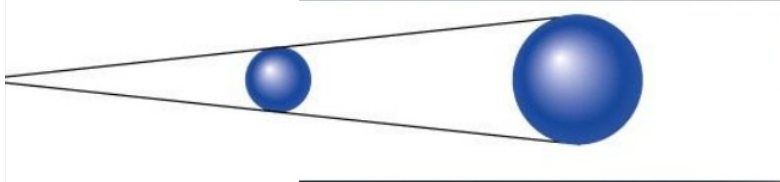
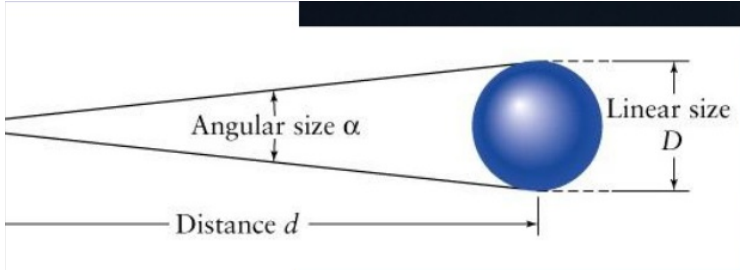
The earth is 375,132 km from the moon and 1.496×10^8 km from the sun. The diameter of the sun is 1.391×10^6 km while the moon's diameter is 3475 km

Use this data to explain, in words, why ^{Total} solar eclipses occur on earth. Justify your explanation with numbers.

tutoring today, 4-5p

First assessment is Thursday





First Quarter Skills/Assessment Info

Honors Geometry – 1st Quarter Assessment Grades

Name:

Key: CO – Congruence

GPE – Expressing Geometric Properties with Equations

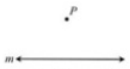
Most recent grade entered in Powerschool. Each standard is assessed in class at least twice. Re-taking an assessment requires proof of completed homework. Full standards on web at: <http://j.mp/tenngeometry>

CO-A1a: Point/Lines/Planes: I know precise definition of line segment, based on the undefined notions of point, line, and distance along a line.



Date					
Score					

CO-A1b: Types of Lines: I know the precise definitions of parallel and perpendicular lines based on the undefined notions of point, line, and distance along a line.



Date					
Score					

CO-A1c: Angles and Circles: I know precise definitions of angles and circles, based on the undefined notions of point, line, and distance along a line, and distance around a circular arc.



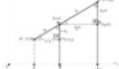
Date					
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CO-D12a: Constructions 1: I can make formal geometric constructions including: copying segment and angle, midpoint, perpendicular bisector, and angle bisector.



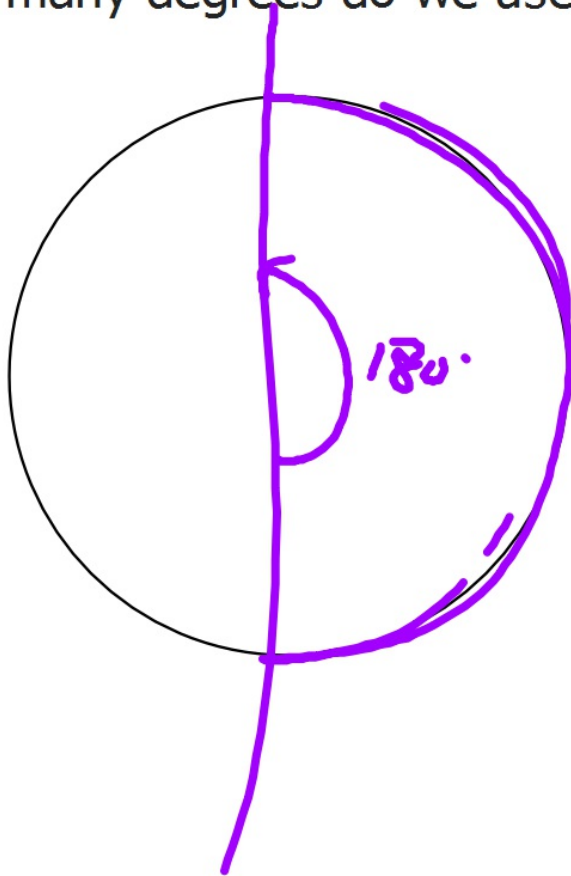
Date					
Score					

GPE-B6a: Partitioning a Segment: I can find the point on a directed line segment between two given points that partitions the segment in a given ratio.



Date					
Score					

How many degrees do we use to describe 1 full rotation?



Why 360° ?

Why not 100° ?



How do you cut a circle in half?

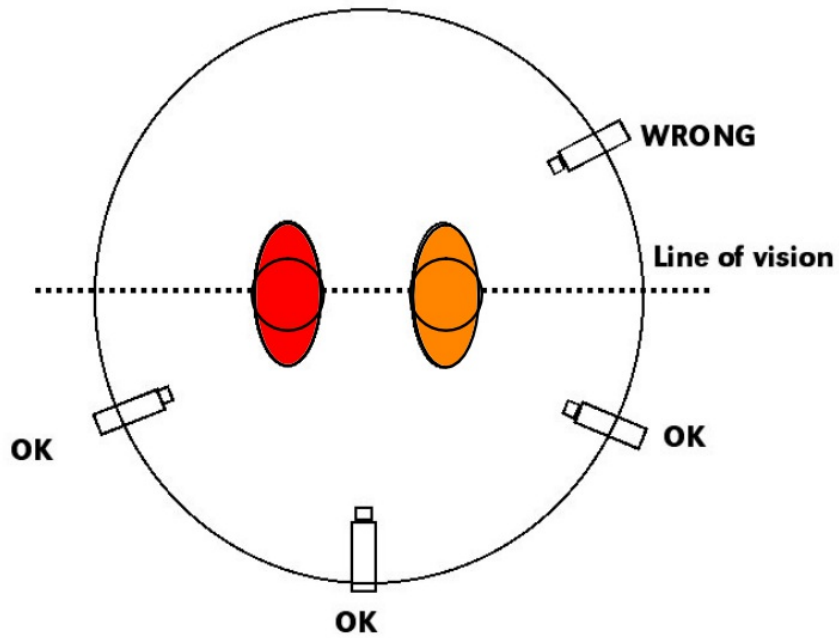
With a line through its center!

So if half a circle is 180° , and a line makes half a circle, then...

A straight line represents 180°

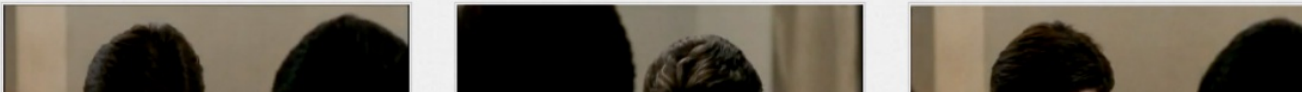


Filmmaking: 180° Rule

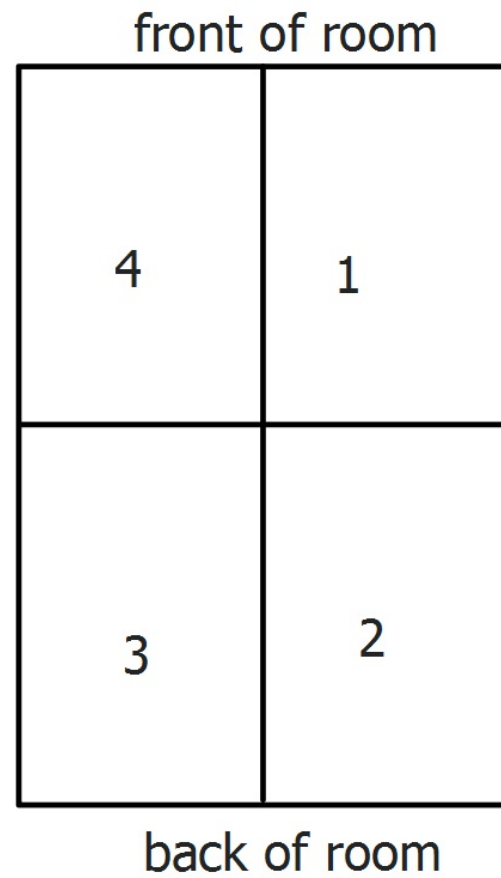


SHOT REVERSE SHOT

This is where the camera is shot from one view of an action and then cuts to another from a different view. The shot looks like they were shot at the same time all at once when they were separate. A example of this would be someone walking and it being shot from behind and them cutting to a front view like below.



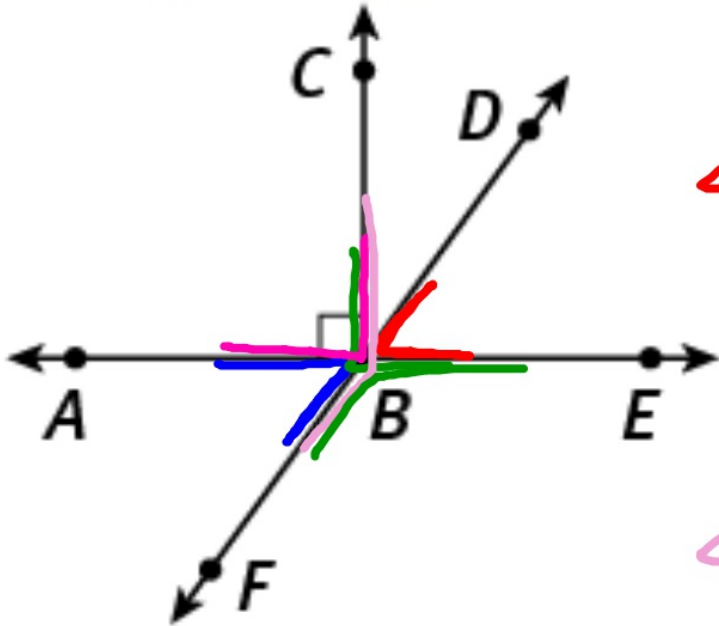
Learning Angle Terminology: Jigsaw



How does jigsaw work?

1. Home group split up into 4 experts
2. Experts from around the room meet up and complete their task: all 1's together, all 2's together, etc.
3. After several minutes, expert groups return to home group to explain findings to neighbors while others take notes/ask questions. Be sure you know how to explain everything before leaving your expert group!

Draw this in notebooks



List at least 2 examples/pairs of each:

acute

$\angle DBE$; $\angle ABF$

right

$\angle CBE$

$\angle CBA$

obtuse

$\angle FBL$

$\angle FBE$

straight

$\angle DBF$

$\angle ABE$

^{corner}
complementary pairs

$\angle CBD$; $\angle DBE$

^{"straight line"}
supplementary pairs

$\angle FBE$; $\angle FBA$

vertical angles

$\angle DBE$; $\angle ABF$

adjacent pairs

$\angle CBD$; $\angle DBE$

Circle Vocabulary

Diameter

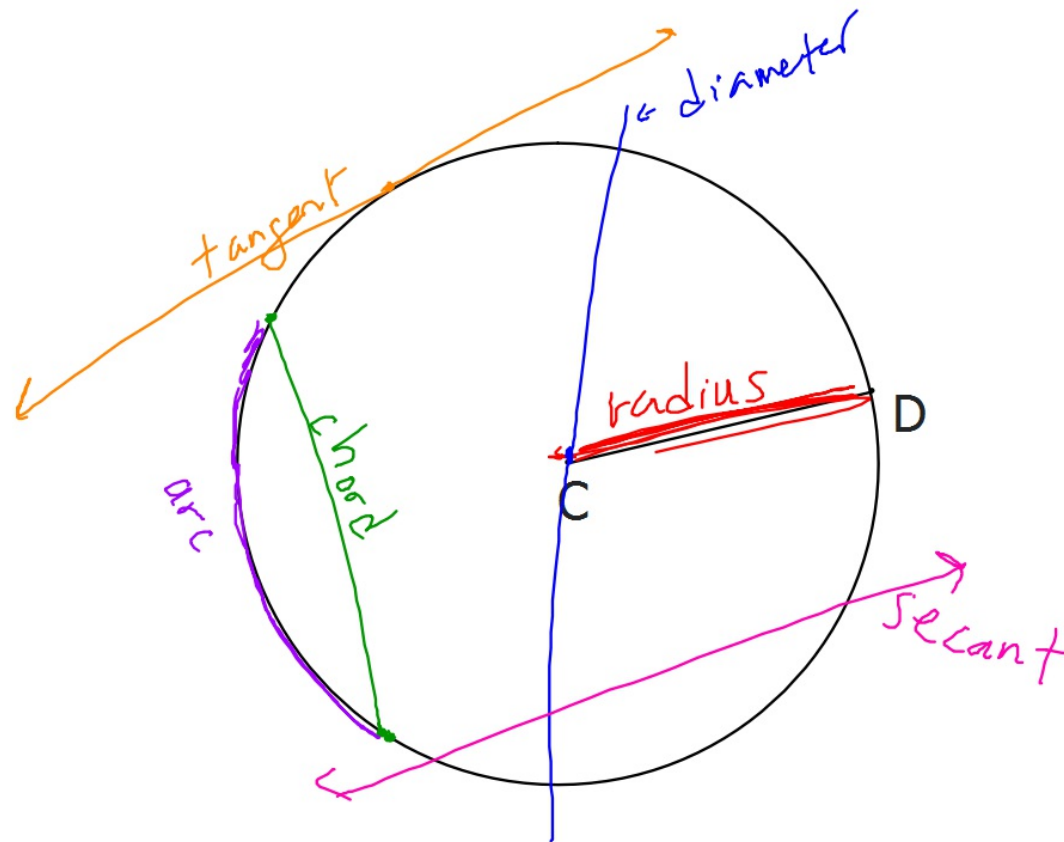
Radius

Chord

Arc

Tangent

Secant



Homework:

p. 12 #11-20

Assessment Thursday: study notes and all hw: p 11, 6, 12!

Be sure supply boxes are cleaned up and push chairs in please :)