

Do Now

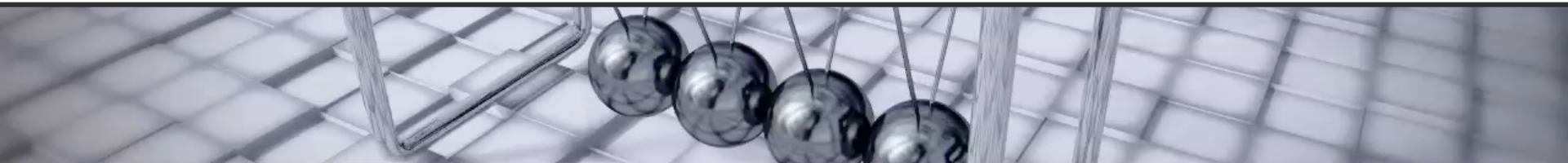
Consider the number:

1,234.56789

Round this number to the nearest hundred.

Round this number to the nearest thousandth.

Round this number to the nearest whole.



Do Now

Round 312.995 to the nearest tenth.



Point, Line, Plane



NOTES

Point: An exact position in space. A point has no size and _____ dimensions.



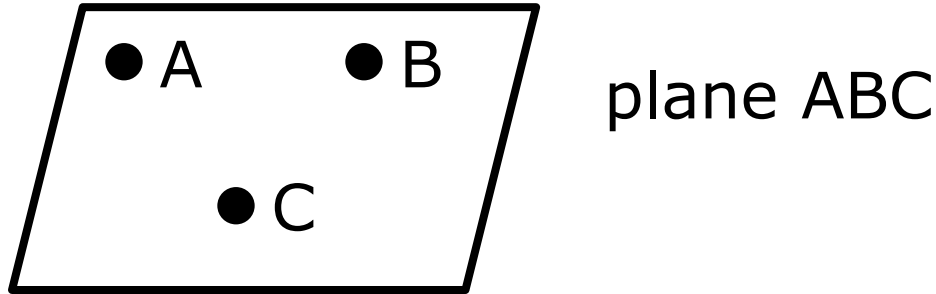
Line: A set of points extending infinitely in both directions. A line has no thickness or height and _____ dimension.



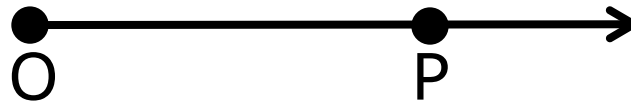
line AB or  AB



Plane: A flat surface that extends infinitely in all directions. A plane has no height and _____ dimensions.



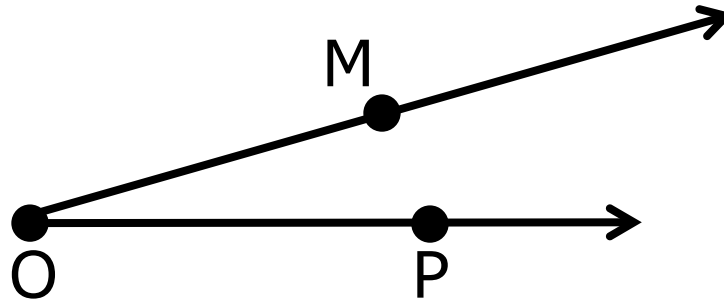
Ray: A part of a line that has one endpoint and extends infinitely in one direction.



ray OP or \overrightarrow{OP}



Vertex: The point at which two lines or rays meet. (plural: vertices)



Mark the angle 20 deg and show m notation

What is the vertex here?

What lines or rays are meeting? Name them.

Angle: Two rays that share an endpoint. The angle above can be named: $\angle O$ or $\angle MOP$ or $\angle POM$

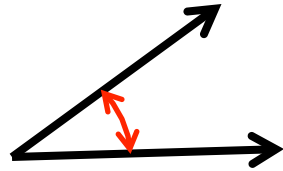
How are angles measured?

What exactly does that mean? (stand and turn demo)

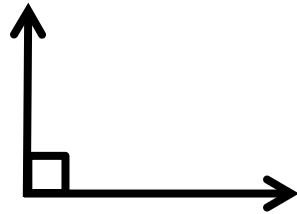


Classifying (naming) angles:

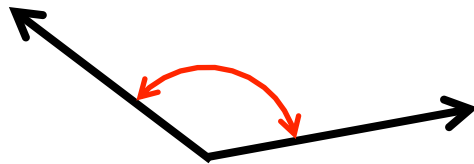
Acute angle: Less than ____ degrees.



Right angle: exactly ____ degrees.



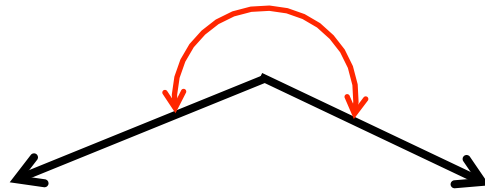
Obtuse angle: Greater than ____ degrees, but less than ____ degrees.



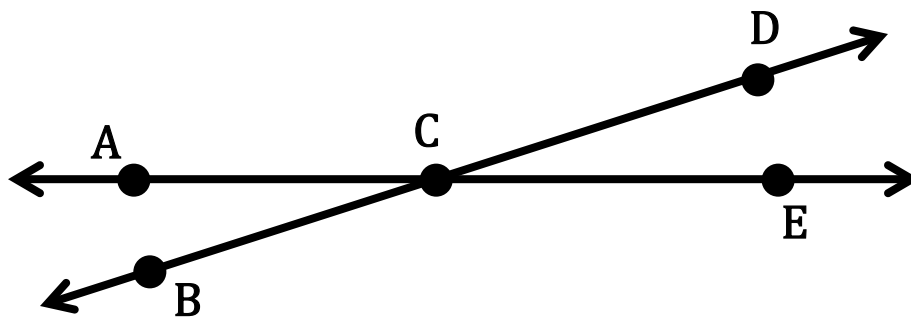
Straight angle: exactly _____ degrees.



Reflex angle: Greater than _____ degrees but less than _____ degrees.



Vertical angles: A pair of angles, opposite each other, formed by two intersecting lines. Vertical angles are _____.

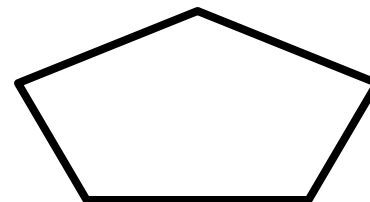
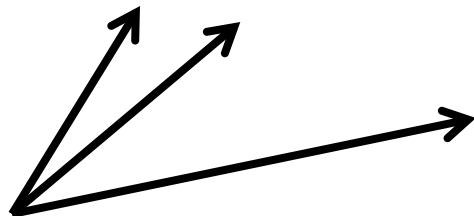


Show m notation

\angle and \angle are vertical angles
 \angle and \angle are vertical angles

Adjacent angles: A pair of angles that share a common ray or line segment.

Name vertices
and annotate.



As shown, \overleftrightarrow{AOB} is a straight line; \overrightarrow{OC} , \overrightarrow{OD} , and \overrightarrow{OE} are rays. $\angle COE$ and $\angle DOB$ each contain 90° . $\angle COB$ contains 130° .

Find the number of degrees in $\angle COD$.

Find the number of degrees in $\angle DOE$

