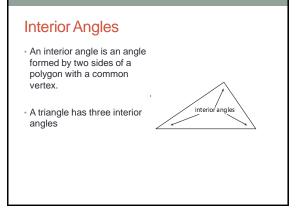


Return of the Quizzes

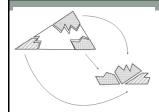
NEXT PAGE "Interior Angles of Polygons"

OBJECTIVE: EXPLORE INTERIOR AND EXTERIOR ANGLES OF POLYGONS



Triangle Explore Activity

- Draw a large-ish triangle on one of your half sheets using a ruler. It can be acute, right, or obtuse.
- Cut your triangle out.
- · Color in the very tip of each angle.
- Tear (don't cut) off the three corners of the triangle.
- Rearrange the angles so their sides are adjacent and their vertices meet at a point



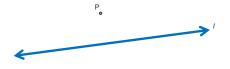
- · What do you notice?
- The sum of the interior angles of a triangle add to

Explore Angles in a Quadrilateral

- Draw a large-ish quadrilateral on one of your half sheets using a ruler.
- · Cut your quadrilateral out.
- Tear off the four corners of the quadrilateral.
- Rearrange the angles so their sides are adjacent and their vertices meet at a point
- · What do you notice?
- · The sum of the interior angles of a quadrilateral add to

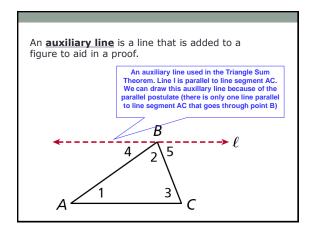
I need a Volunteer!

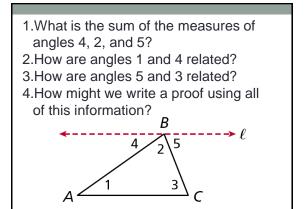
Draw as many parallel lines to line I as you can that go through point P

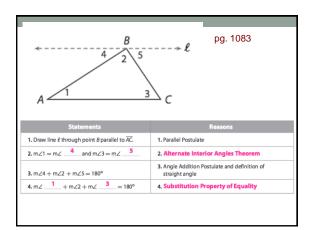


Parallel Postulate

•Through a point P not on line I, there is exactly one line parallel to I.



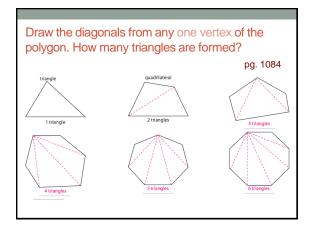


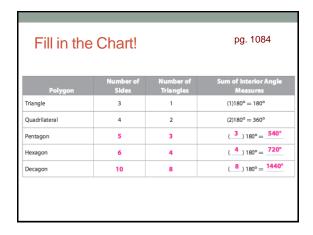


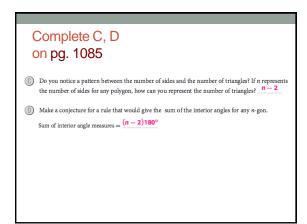
Polygon- a closed figure having three or more sides and lying on one plane

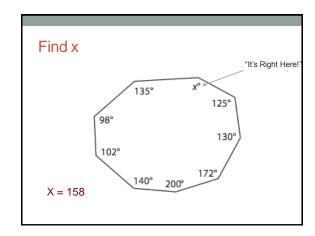
Number of Sides	Name of Polygon
3	Triangle
4	Quadrilateral
5	Pentagon
6	Hexagon
7	Heptagon
8	Octagon
9	Nonagon
10	Decagon
12	Dodecagon
n	<i>n</i> -gon

Fun Facts!			
11 hendecagon			
12 dodecagon			
13 triskaidecagon or tridecagon			
14 tetrakaidecagon or tetradecagon			
15 pendedecagon			
16 hexdecagon			
17 heptdecagon			
18 octdecagon			
19 enneadecagon			
20 icosagon			
but you can just say 13-gon			









Homework

- pg. 1090 (1-7)
- · and angle chasing