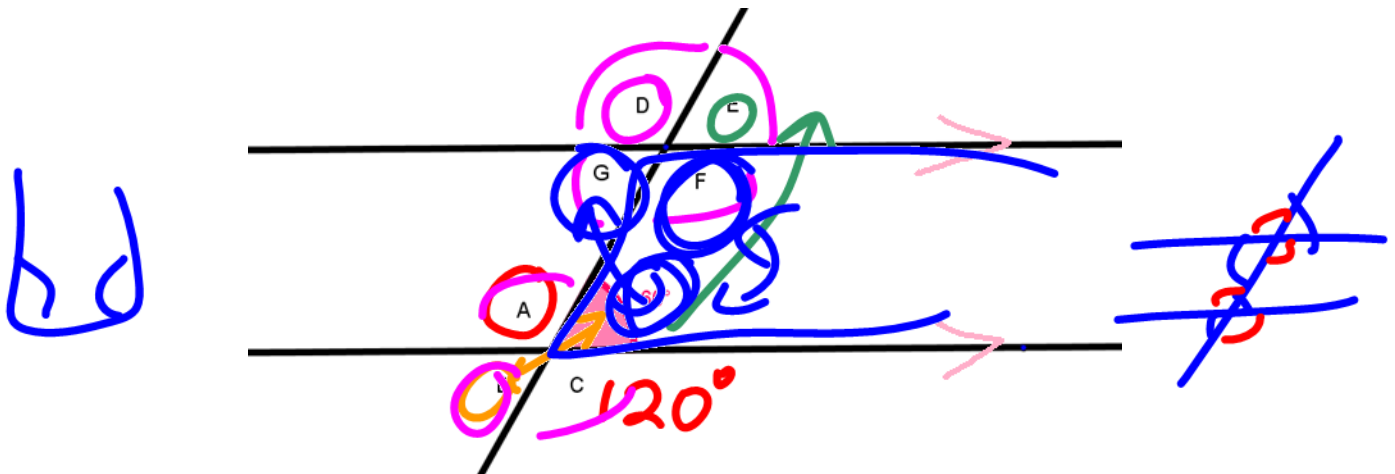


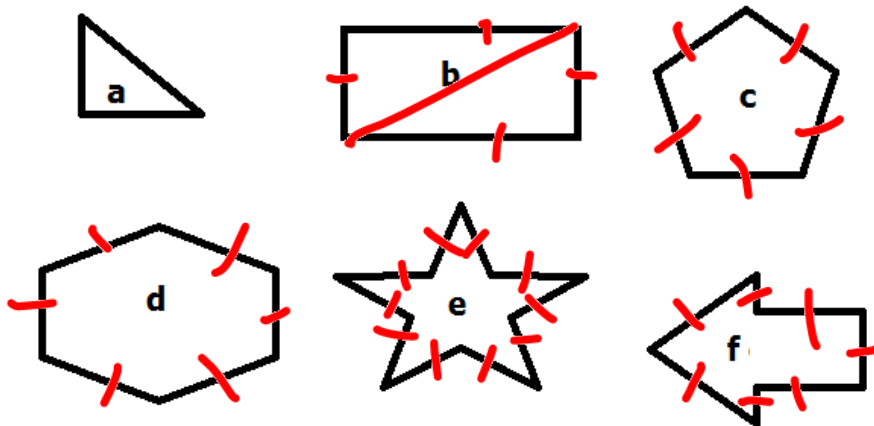
L4GM02 Achieved

Level 4 Geometry and Measurement: Shape

Fill in the tables below – Hint – look at the information at the bottom of this page.



Angle	Value	Reason
A	$180 - 60 = 120^\circ$	\angle 's on a SL add to 180
B	60°	Vert opp \angle 's are =
C	120°	\angle is Alt, 60° , \angle + D \angle 's on a SL.
D	60°	Corresponding \angle 's are =
E	120°	interior \angle 's // lines are =
F	60°	
G	60°	



$$\begin{array}{r}
 8 \times 180 \\
 1600 \\
 - 360 \\
 \hline
 1240
 \end{array}$$

Polygon	Number of sides	Name of the polygon	Sum of interior angles	Sum of exterior angles
A	3	Triangle	180°	360°
B	4	rectangle	360°	360°
C	5	pentagon	540°	360°
D	6	Hexagon	720°	360°
E	10	Decagon	1240°	360°
F	7	Heptagon	1080°	360°

The angle properties of Parallel lines are: Vertically opposite angles are equal; Adjacent angles add to 180; Corresponding angles are equal; Interior angles add to 180; Alternate angles are equal. Polygon Angle Rules: Interior angles of a polygon with n sides are $((n-2) \times 180)/n$; Exterior angles of any polygon add to 360.