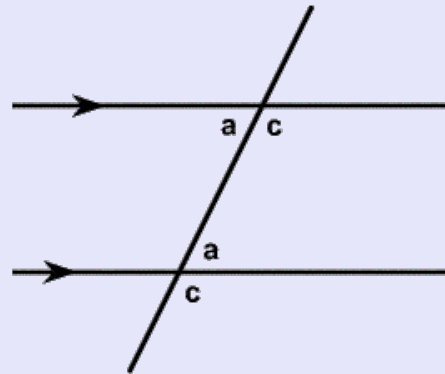
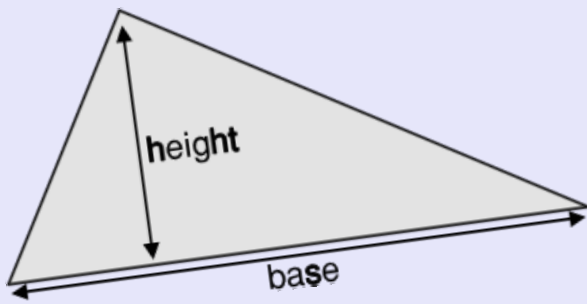


Properties of Angles and Triangles



Exploring Parallel Lines

Take some time to familiarize yourself with the terms in the following list, relating to parallel and transversal lines and the angles they form.

The diagram illustrates two horizontal parallel lines intersected by a transversal line. The angles formed are labeled as follows:

- Top intersection: a (top-right), b (top-left), c (bottom-left), d (bottom-right)
- Bottom intersection: e (top-left), f (top-right), g (bottom-left), h (bottom-right)

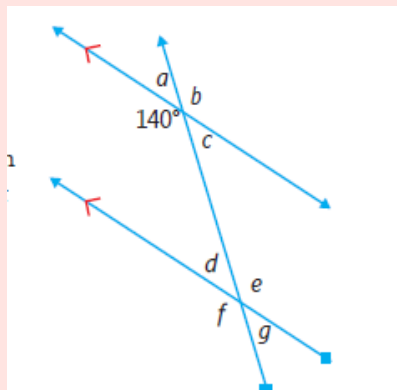
On the left side of the parchment, the following terms are listed in wooden arrow-shaped buttons:

- Transversal
- Parallel Lines
- Vertical Angles
- Corresponding Angles
- Alternate Interior Angles
- Alternate Exterior Angles
- Co-Interior Angles

• **Exploration**

SUMMARY

- When a transversal intersects a pair of parallel lines, the **corresponding** angles that are formed by each parallel line and the transversal are equal.
- The same is true for **alternate interior** and **alternate exterior** angles.
- **Co-interior** angles are supplementary.



****Don't forget to look for Opposite Angles too!****