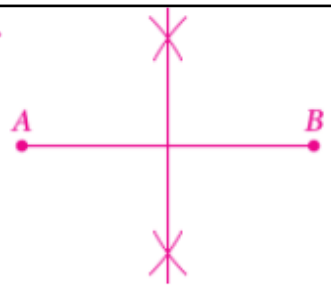
1.



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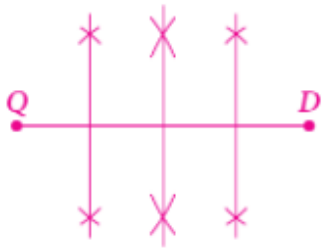
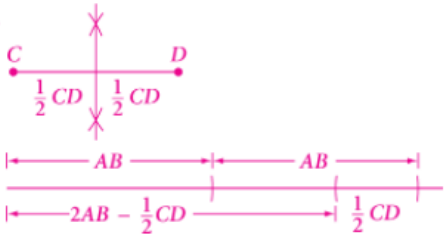
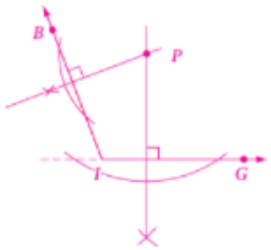


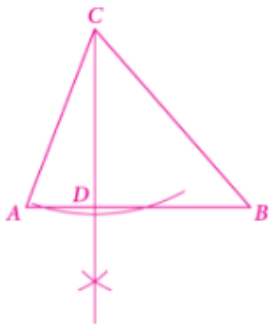
4.



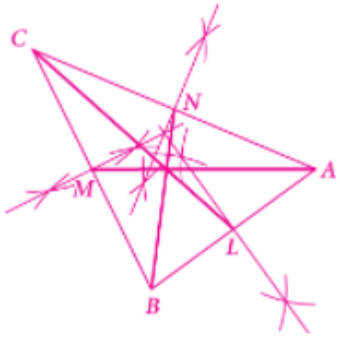
3. The answer depends on the angle drawn and where P is placed.



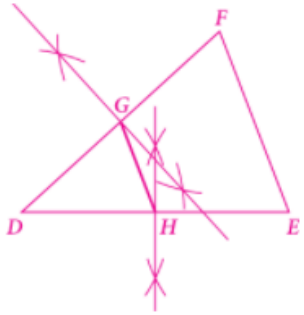
4.



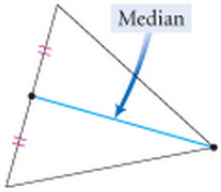
9. The medians all intersect in one point.



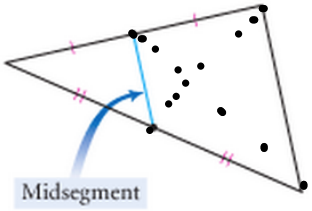
10. $\overline{GH}$ appears to be parallel to $\overline{EF}$, and its length is half the length of $\overline{EF}$.



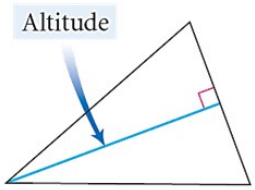
Median - segment connecting the vertex of a triangle to the midpoint of its opposite side



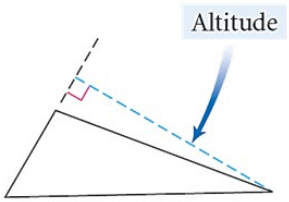
Midsegment - a segment that connects the midpoints of two sides of a triangle



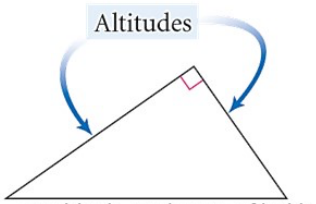
You can also use this construction to find an altitude of a triangle. An **altitude** of a triangle is a perpendicular segment from a vertex to the opposite side or to a line containing the opposite side.



An altitude can be the triangle.



An altitude can be outside the triangle.

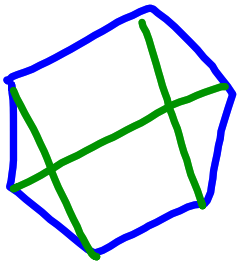


An altitude can be one of inside the sides of the triangle.

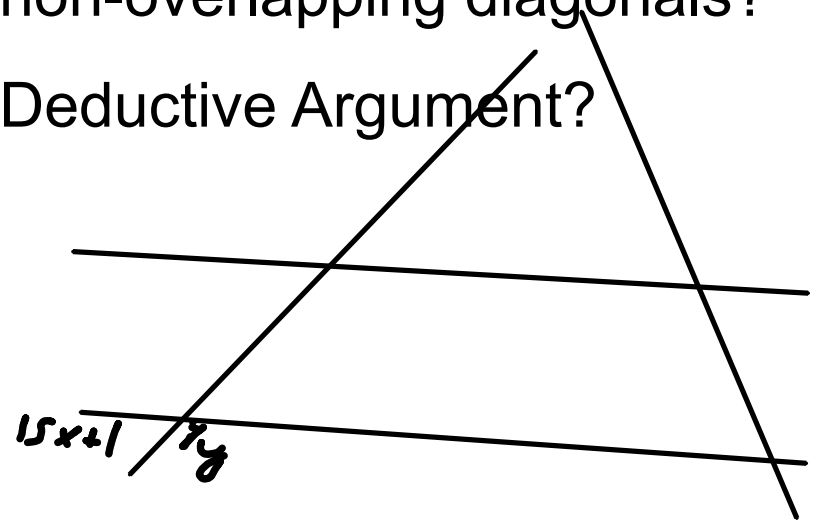
The length of the altitude is the height of the triangle. A triangle has three different altitudes, so it has three different heights.

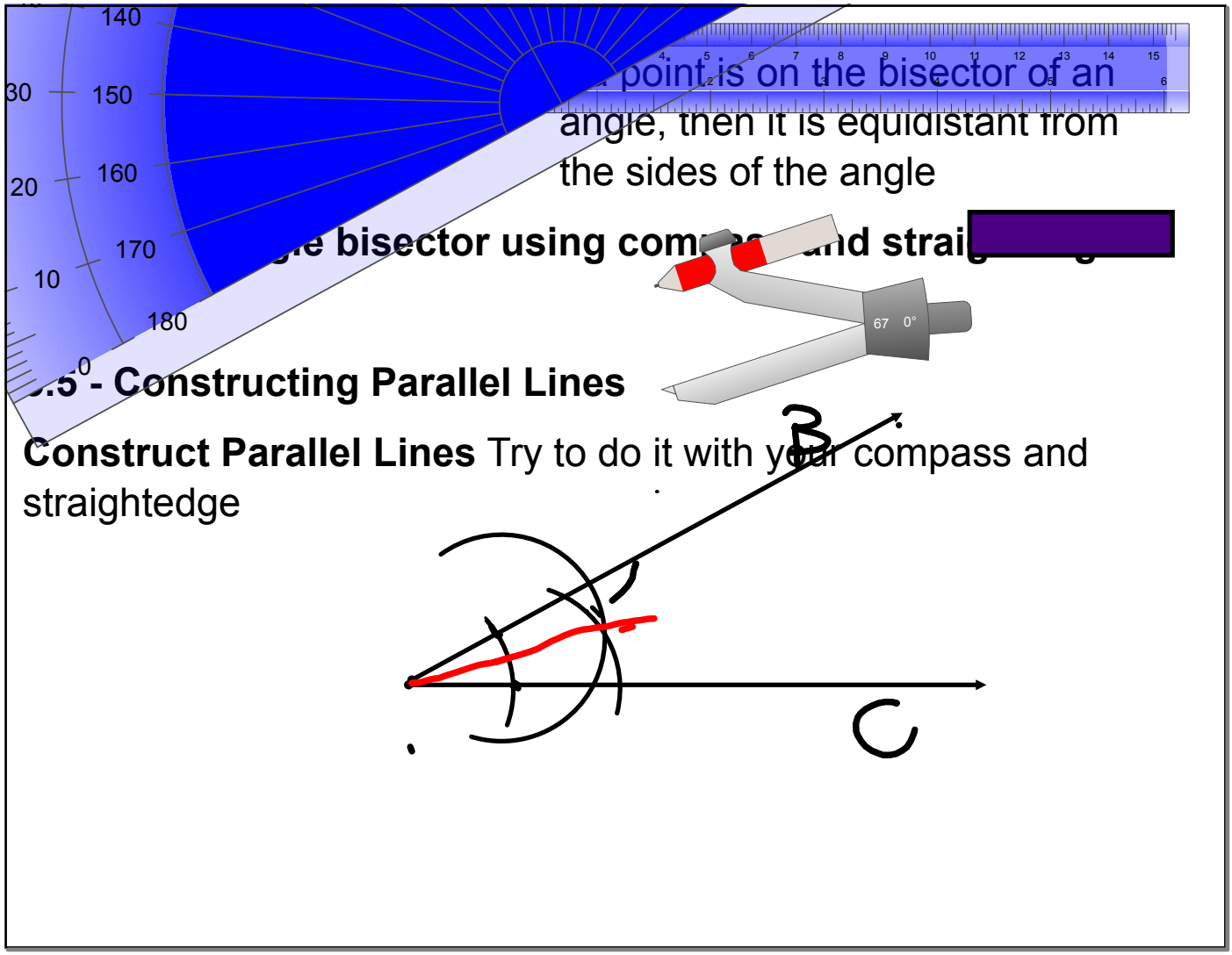
Quizzes

Polygon with 15 sides has a total of 12 non-overlapping diagonals?



Deductive Argument?




140
150
160
170
180
30
20
10
0
point is on the bisector of an
angle, then it is equidistant from
the sides of the angle
bisector using com
nd strai
67 0°
- Constructing Parallel Lines
Construct Parallel Lines Try to do it with your compass and
straightedge
B
C