

LESSON 7-5

Theorem 7-7 (Proportional Perimeters): If two triangles are similar, then the perimeters are proportional to the measures of the corresponding sides.

Theorem 7-8: If two triangles are similar, then the measures of the corresponding altitudes are proportional to the measures of the corresponding sides.

Theorem 7-9: If two triangles are similar, then the measures of the corresponding angle bisectors are proportional to the measures of the corresponding sides.

Theorem 7-10 If two triangles are similar, then the measures of the corresponding medians are proportional to the measures of the corresponding sides.

Theorem 7-11: An angle bisector in a triangle separates the opposite side into segments that have the same ratio as the other two sides.