

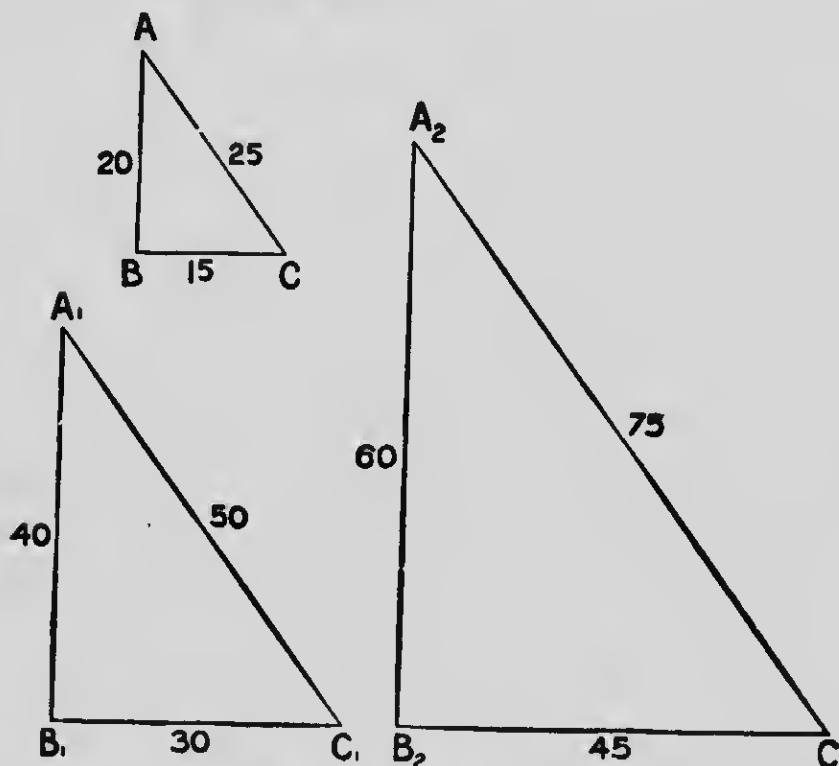
CHAPTER XIX.

Similar Triangles.

1. Two triangles are *similar* when the angles of one triangle are equal to the angles of the other, the sides not necessarily being equal.

Thus if two triangles of different sizes have their angles 45° , 65° and 70° , they are similar.

In the following article a remarkable property of such triangles is reached.



2. On a base BC of 15 millimetres construct a triangle with sides AB , AC of 20 and 25 millimetres.