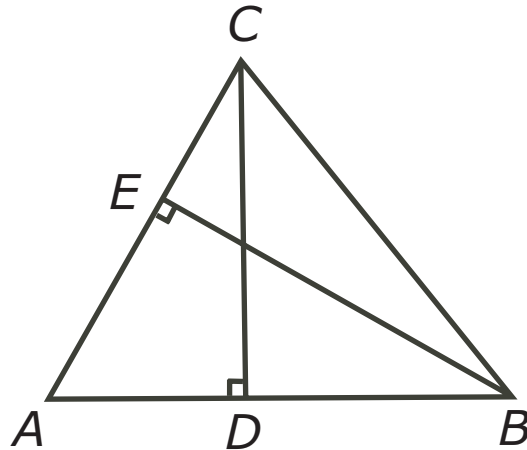# Problem of the Week
Grade 7 and 8

Always Have A Good Altitude

An *altitude* is a line segment drawn from a vertex of a triangle to the opposite side such that the line segment is perpendicular to the opposite side.

In $\triangle ABC$, CD and BE are altitudes. $AB = 16$ cm, $AC = 12$ cm and $CD = 6$ cm.

Determine the length of BE.