



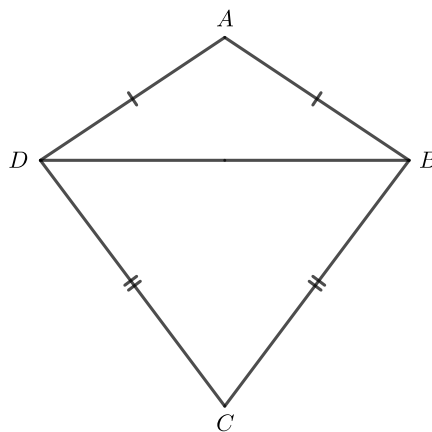
Problem of the Week

Problem D

Go Fly a Kite

Amanda wants to fly a kite. The kite is composed of two isosceles triangles, $\triangle ABD$ and $\triangle BCD$. The height of $\triangle BCD$ is 2 times the height of $\triangle ABD$, and the width of the kite, BD , is 1.5 times the height of the larger triangle.

If the area of the kite is 1800 cm^2 , what is the perimeter of the kite?



Did you know that in an isosceles triangle the altitude to the unequal side of the triangle bisects that unequal side?

