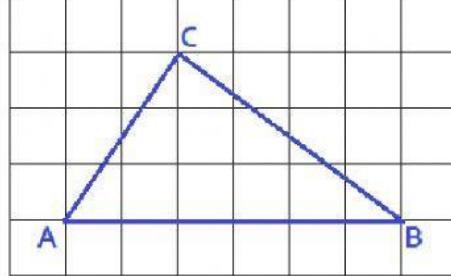


Area of Triangles

I. Look at the triangle ABC drawn in the grid. Draw a red rectangle called ABDE around it so that point C will be part of side DE. Each side of the squares in the grid are 1 cm.

1. What is the area of rectangle ABDE? cm.
2. What is the area of triangle ABC? cm.
3. If h is the image that results from the translation of side BD, and h intersects the vertex C and is perpendicular to AB, what is the measurement of h ? cm.



II. If the measurement of side AB is represented by \overline{AB} , and the measurement of line h is represented by $m(h)$, which expression do you use to calculate the area of triangle ABC? Click on the correct answer.

$$\frac{m(\overline{AB}) \times m(h)}{2}$$

$$\frac{m(\overline{AB}) - m(h)}{2}$$

$$\frac{m(\overline{AB}) + m(h)}{2}$$