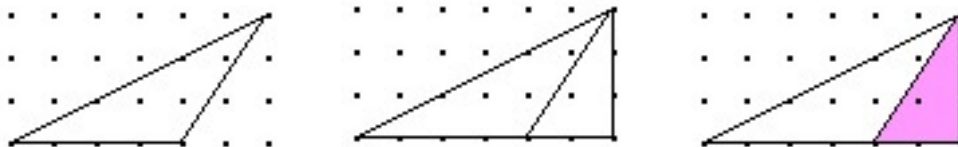


## Hints and Solutions

### Hints and Solutions for Activity 6: The area of a triangle

One way to find the area is by constructing a small right triangle, so that the original triangle together with this form a right triangle. The area of the original triangle will be the difference of the areas of the two right triangles.



A second method to compute the area of an obtuse triangle is to form a rectangle around it, compute the area of the rectangle and subtract the area of the blue triangle and the area of the purple triangle.



A third method is using the fact that the triangle is half a parallelogram with the same base and the same height. The area of a parallelogram is  $4 \times 3$ , the area of the triangle will be  $\frac{1}{2} \times 4 \times 3$ .

