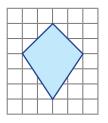
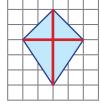
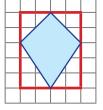
<u>The Kite and Rhombus</u>

The kite and the rhombus share the same property: that the diagonals cross at right angles. It is this property that leads to the formula for the area of the shapes.







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Draw a kite on squared paper. Draw in the diagonals. Move the diagonals to the edge of the kite to form a rectangle around the kite. The rectangle has the same length and width as the diagonals of the kite. Therefore the area of the rectangle is *the product of the diagonals*. By counting squares you can see the kite is half the area of the rectangle.

The area of the kite is half the product of the diagonals.

Draw a rhombus on squared paper to show thavthis is true for a rhombus.

A. Find the area of the following kites and rhombuses. (Diagrams not to scale).

