



Ruling up a tangram puzzle set using Mathomat

- **Step 1:** Use the right angle in shape 1 to start.
Extend its sides using either of the two ruler edges in V3 to make a 100mm square.
- **Step 2:** Mark the midpoints of right hand side and lower side.
- **Step 3:** Draw 2 diagonals from lower left to upper right, corner to corner, midpoint to midpoint.
- **Step 4:** Draw a partial diagonal from upper left to lower right as shown.
- **Step 5:** Use the Mathomat protractor to mark and draw a 45° line from the bottom midpoint.
- **Step 6:** Use the parallel lines in Mathomat (or the grid paper) to draw a vertical as shown.

