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| **Using Transformations to Describe Tessellations** | | | |
| Identifies and describes transformations of a polygon  in a tessellation    Square A is translated 2 units right, 1 unit down to its Image B. Square A is reflected in a horizontal line *h* to its Image C.  Square A is rotated 180⁰ about point P to its Image D. | Identifies a combination of transformations in a tessellation      Shape A is translated 4 units right, then reflected in line *h* to its Image B. Shape A is rotated 180⁰ about point P, then translated 2 units down to its Image D. | Creates a tessellation and describes the transformation(s)    Shape A is translated 4 units right and 2 units up to its Image B. Shape A is rotated 180⁰ about point P to its Image C. Shape A is reflected in line *v* to its Image D. | Creates a new shape, then tessellates it  I started with Shape A. I cut off 1 square and taped it to the opposite side. Then, I used the revised shape to create a tessellation. |
| **Observations/Documentation** | | | |
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