Common Core State Standards for Mathematics (CCSS) addressed by tessellation puzzles. The number of the specific standard follows the quoted standard in parentheses.

- Recognize angle measure as additive ... (4MD 7)
- ... Identify line-symmetric figures and draw lines of symmetry. (4.G 3)
- Recognize a line of symmetry for a two-dimensional figure ... (4.G 3)
- Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations (8.G 2)

