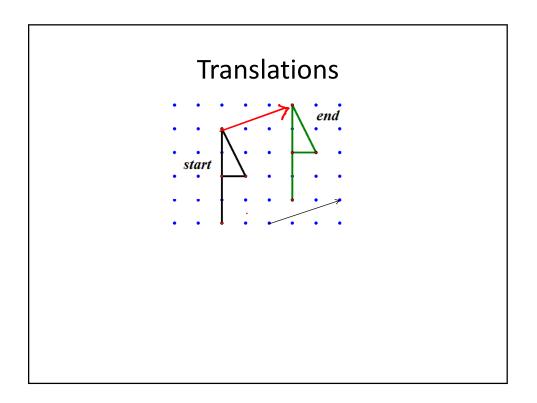
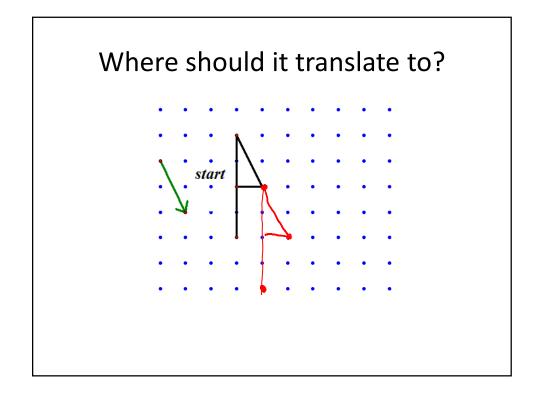
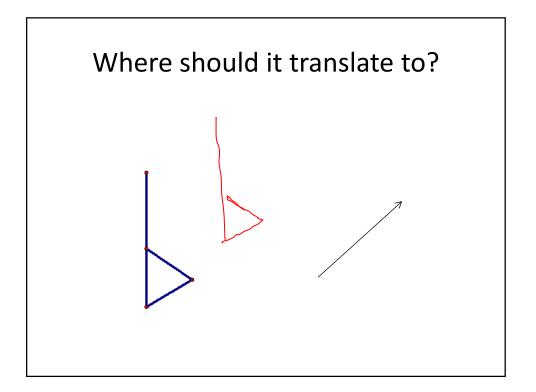
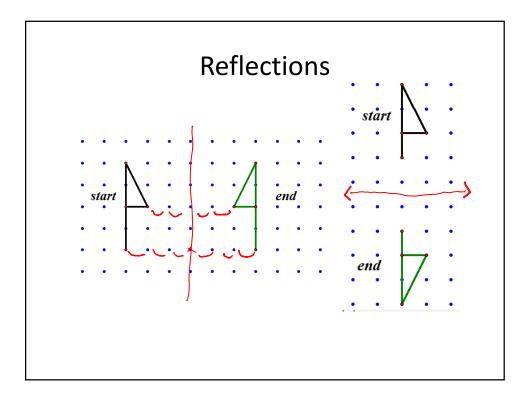
Each of these shapes always has two pairs of angles that are supplementary (add up to 180°). Some of these shapes do not have **all** right angles. Some of these shapes do not have **any** congruent sides. What shapes am I thinking of?

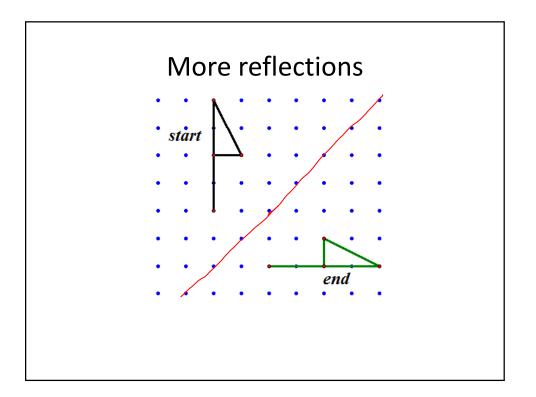
Take away shapes that don't fit Shapes that have all right angles don't fit: Not a square, not a rectangle, Shapes that always have congruent sides don't fit: Not a: rhombus, parallelogram, kite, Not a general quadrilateral because we found a quadrilateral without a pair of supplementary angles The trapezoids we checked did always have supplementary angles.

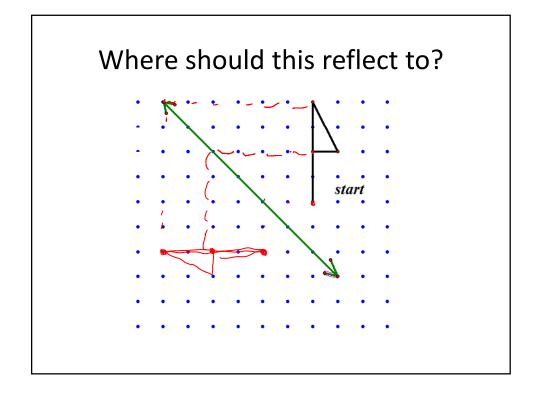


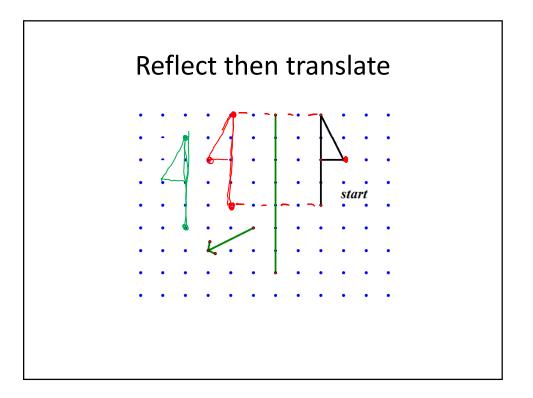


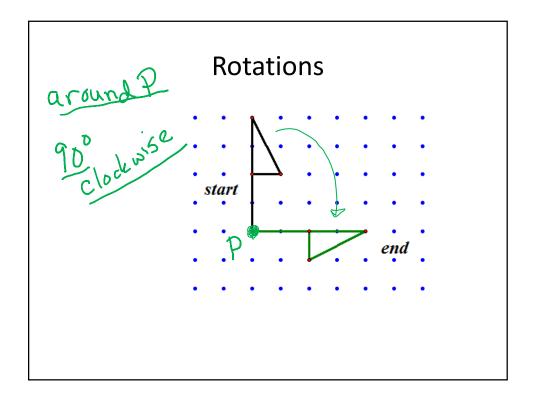


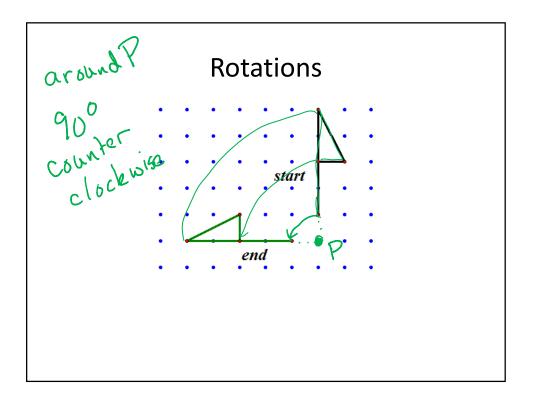


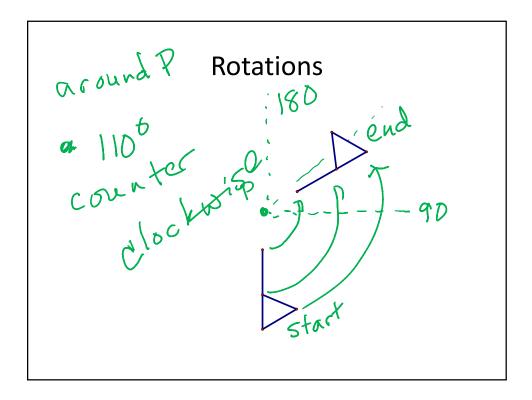


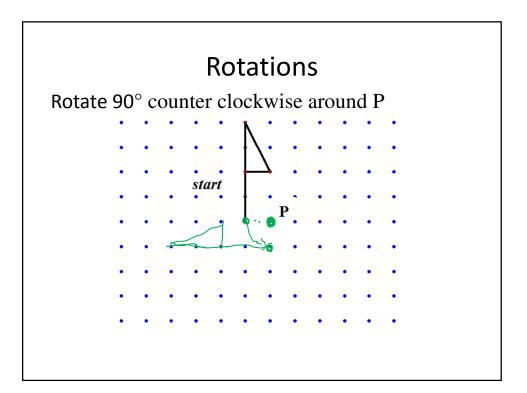


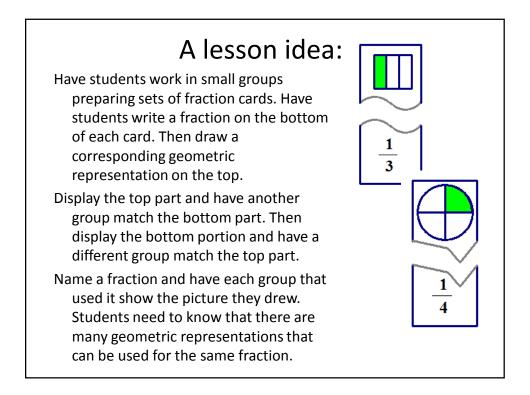


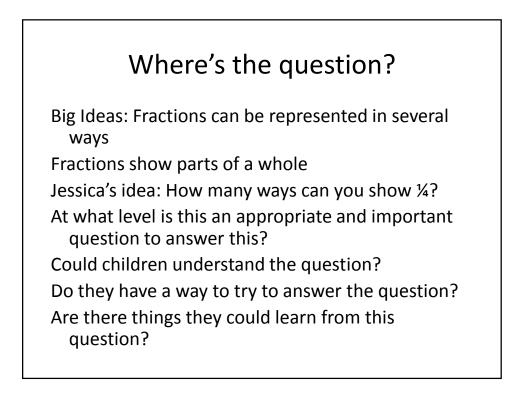












what about understanding the numerator* and the denomenator* and why it needs to be set up that way

Give examples and maybe non-examples

Think out examples well to make this into an inquiry lesson.

Inquiry

Start the lesson with a question Build the activities around children trying to find an answer to the question.