Show that a slide, flip or turn keeps a shape's properties

NAME	DATE

1 **Activity · Work with your teacher**

Trace a rectangle. Slide, turn and flip it. What stays the same about its sides and corners?



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1. Traces and physically slides, rotates and reflects the same rectangle, then compares matching side lengths and right angles before and after each move. Every move preserves the side lengths and angle measures. Three independent observation records are required; selecting statements about a pictured move alone is supporting recognition.

Evidence for the stated action: Requires three independent before/after investigations: slide, turn and flip. Recognition of a supplied statement is insufficient.

Teacher procedure · Question 1

1. Prepare a rectangular card, blank paper, a pencil, ruler and a paper corner as a right-angle referent. The child traces the starting card and labels corresponding corners.
2. Slide the same card, trace it again and compare corresponding sides and corners. Record what the child measures or checks.
3. Repeat after a rotation, then a reflection (turn the card over), with separate records. Do not stretch, resize or exchange cards.
4. Ask what stayed the same for each move. Require the observed comparisons as well as the statement; a guessed list of properties alone is insufficient.

Record: Before/after traces; side and angle comparisons; all three moves; prompts.

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Translate and compare

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:

Rotate and compare

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:

Reflect and compare

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:



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