

7. Define the following words or symbols.

- a. congruent b. \cong c. \perp

- a.)
b.)
c.)

8. **Standardized Test Prep** Anna has a simple rule for deciding which symbol to use.

Objects are congruent. Measurements of objects are equal.

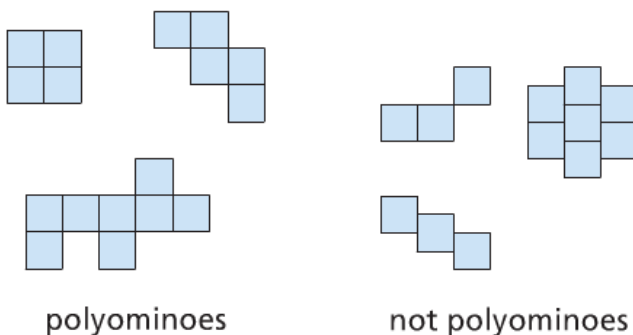
Which of the following statements is NOT written correctly according to Anna’s rule?

- A. $\overline{DF} \cong \overline{RT}$ B. $m\angle CSD \cong m\angle BSL$
C. $\angle ADF \cong \angle WZM$ D. $AC = FH$

statement _____ is not written correctly because...

9. Are all equilateral triangles congruent? Explain.

Polyominoes are shapes that are made of squares. The sides of polyominoes meet edge to edge with no gaps or overlaps. The three shapes on the left are polyominoes. The three shapes on the right are not polyominoes, because the squares do not meet edge to edge.



←
 Congruent polyominoes that have different orientations are not different polyominoes.

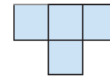
Use words and pictures to help answer the following questions.

10. Dominoes: How many different polyominoes can you make with two squares?

11. Trominoes: How many different polyominoes can you make with three squares?

12. Tetrominoes: How many different polyominoes can you make with four squares?

13. Combine the T tetromino (polyomino with 4 squares) at the right with another tetromino to make an eight-square polyomino. How many tetromino shapes can you combine with the T tetromino to get this shape?



14. Assume you can use any tool or method. Describe how you can decide whether the figures in each pair are congruent.

