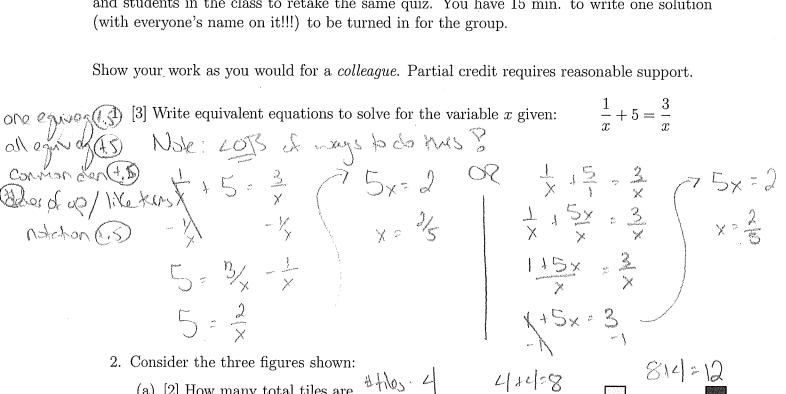
Quiz 8

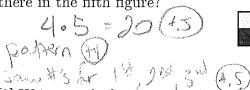
This is a two-stage quiz. During the first stage, use your knowledge & calculator to take this quiz. You have 15 min. In the second stage, you are now welcome to use your books, notes, and students in the class to retake the same quiz. You have 15 min. to write one solution (with everyone's name on it!!!) to be turned in for the group.

$$\frac{1}{x} + 5 = \frac{3}{x}$$

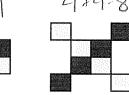
Hou



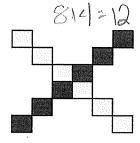
- - (a) [2] How many total tiles are there in the fifth figure?



(b) [2] Write an algebraic expression for the *n*th figure for the total number of tiles.



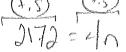
2nd 61.2



notice increase by of from one figure to the next

algebra/shy(1) (c) [3] Which figure will have 2172 total tiles? Provide either some steps or justification for your answer.

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n= 2173 or 543 th Rayer