13 Abigail and Casey each ordered a pizza for lunch. Both pizzas were the same size. The pizzas could be cut into either 2, 4, 6, or 8 equal pieces.

a. Abigail ordered her pizza cut so that each piece had the smallest possible area. What fraction of Abigail's whole pizza is one piece?

b. Casey ordered his pizza cut so that it had half as many pieces as Abigail's pizza. Write a number sentence to compare a fraction that represents one piece of Casey's pizza and a fraction that represents one piece of Abigail's pizza. Use $>$, $<$, or $=$ in your number sentence.