

$$\boxed{75} \quad 0 < a < b \Rightarrow a^2 < b^2$$

Let $a = 0.5$ and $b = 2$. Then, $0 < 0.5 < 2 \Rightarrow 0 < (0.5)^2 < (2)^2 \Rightarrow 0 < 0.25 < 4$