



The square of a proper fraction is _____ than/to itself.

The square of a proper fraction is _____ than/to itself.

- A. Equal
- B. Less
- C. Greater
- D. None of these

Show Answer...

Correct Answer: B (Less)

Explanation:

The correct option is B, "Less."

When a proper fraction (a fraction where the numerator is smaller than the denominator) is squared, the resulting value is smaller than the original fraction.

For example, if we take the proper fraction $\frac{3}{4}$, its square is $(\frac{3}{4})^2 = \frac{9}{16}$.

In this case, $\frac{9}{16}$ is less than the original fraction $\frac{3}{4}$.

This pattern holds true for all proper fractions. When a proper fraction is squared, the resulting value is always smaller in magnitude than the original fraction.

Options A, C, and D are incorrect:

- Option A, "Equal," is not true for proper fractions because squaring a proper fraction results in a value that is less than the original fraction.
- Option C, "Greater," is not true for proper fractions because squaring a proper fraction always results in a value that is smaller than the original fraction.
- Option D, "None of these," is incorrect as the correct answer is B, "Less."



The square of a proper fraction is _____ than/to itself.



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