

MATH CHALLENGE

of the ECU Math Club

MC14

Given that

$$\log_4 a = \log_6 b = \log_9(a + b),$$

find the exact value of $\frac{a}{b}$.

Submissions due: 12:00 pm, April 14, 2021

Submit solutions to Atila.Sit@eku.edu (PDF only).

Solutions must include all supporting work.

Top solvers will be recognized.

First three correct submissions will also receive a small prize!

