

Prime Number Location Investigation: Preservice Teachers' Experiences

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We cannot overstate the importance of introducing future teachers to mathematical inquiry. Investigations provide students with the opportunity to apply their mathematical abilities to resolve problems while maintaining a certain level of autonomy in the procedures they undertake to reveal any possible connections. In a classroom activity, preservice teachers investigated to analyze the distribution of prime numbers along the number line. This investigation made use of widely available technology (spreadsheets), which may be unfamiliar to many preservice teachers seeking secondary certification. We conducted the investigation with preservice teachers in a college setting, but it could also be applicable in the secondary classroom. Moreover, students would acquire crucial abilities by utilizing a spreadsheet accompanied by the source codes in these assignments, which would be advantageous in other academic courses and practical situations while also enhancing their problem-solving proficiency.

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