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Explorations with 142857: Connecting the elementary with the advanced.

Math. Teach. (Reston) 101, No. 6, 418-421 (2008).

Summary: University mathematics education courses do not always provide the opportunity to make connections between advanced topics and the mathematics taught in middle school or high school. Activities like the ones described in this article invite such connections. Analyzing concrete or particular examples provides a better grasp of abstract concepts. (Contains 8 figures.) (ERIC)

Classification: F63 F64 F65

Keywords: cyclic numbers; number concepts; secondary school mathematics; basic skills; transitional programs; college mathematics; advanced courses; pattern recognition