



## LEWIS AND CLARK COLLEGE

### Department of Mathematical Sciences

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### PUZZLE OF THE WEEK (2/24/2016 - 3/2/2016)

Let us agree to call a positive integer *subprime* whenever the number of its decimal digits equals the number of its distinct prime factors. (So, for example, 12 is subprime while 25 is not.) Are there finitely or infinitely many subprime numbers? Justify your claim.

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- Correct solutions of the Puzzle of the Week #5 were submitted by Toby Aldape and Jack Reamy. Congratulations!
- One possible solution of the Puzzle #5 is posted online. (Look for the Puzzle of the Week announcements on the departmental web-page.)
- Solvers should include their full name and some kind of a contact information. Solutions should be submitted to **Iva Stavrov** in BoDine 305; email submissions are encouraged (istavrov at lclark). Solutions should be received by the end of the day on **Tuesday, March 2nd 2016**.