



LEWIS AND CLARK COLLEGE
Department of Mathematical Sciences

PUZZLE OF THE WEEK (4/6/2017 - 4/12/2017)

The letters A, B, C, D, E, F, G denote different digits. We know that

$$A \cdot B \cdot C = C \cdot D \cdot E = E \cdot F \cdot G.$$

What are the possible values for D ? Justify your claim.

- Correct answers to Puzzle of the Week #9 were submitted by Leo DiGiosia, Ming Liao, David Lovitz, Emily O'Sullivan and Sara Stout. Congratulations!
- One possible complete solution of the Puzzle #9 is posted online. (Look for the Puzzle of the Week announcements on the departmental webpage.)
- 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 **April 12th, 2017**.