PROBLEM OF THE WEEK #9
(Fall 2023)

Which positive integers N have the property that when you delete the third digit of N (in base ten, counting from the left), you get a divisor of N?

[Please fully explain your answer.]

Email solutions to `swensonj@uwplatt.edu` by 2:00pm on Wednesday, November 15, 2023.

Every week, the best solution submitted earns a \$10 Platteville gift certificate; the top scorer each semester also wins a cash award. Good luck!

You can always see the Problem of the Week (and complete rules) online at:

`http://uwpmath.weebly.com/`