

## December 22, 2016 is the Last Perfect Square Date Before 2025

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December 22, 2016 expressed as 12/22/2016 or simply as 12222016 is a perfect square date since 12222016 is a perfect square given by  $3496 \times 3496$  [1]. It is the last perfect square date until 2025 when there will be ten more perfect square dates. This year has three perfect square dates and the first two were February 26, 2016 (2/26/2016) and September 9, 2016 (9/9/2016).

This century contains 39 perfect square dates total in the month/day/year date format and 43 perfect square dates in the day/month/year date format.

Perfect square date 12222016 also possess another special numerical property. If split in the middle as 1222 and 2016, the sum of these two numbers equals 3238. Further, the digits of 12222016 add up to 16 and the sum of the digits of 16 is 7. Interestingly enough, the product of 3238, 7, 16, and the reverse of 16, namely 61, yields 22122016, that is, 22 December 2016. Isn't this indeed a unique property?

I hope you enjoy the perfect square date 12/22/2016 and on this occasion pay more attention to different types of squares in your surroundings.

[1] A. S. Inan, "Special Perfect Square Date," *The Beacon*, University of Portland, Portland, Oregon, September 9, 2016.

<http://www.upbeacon.com/article/2016/09/square-date-submission>