

Happy Perfect Square Date, 22 June 2016!

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Today, 22 June 2016 expressed as 22/6/2016, or simply as 2262016 is a seven-digit perfect square date since 2262016 is a square number which equals 1504×1504 [1-3].

This year contains three perfect square dates: the first perfect square date which has eight digits occurred on 16 March 2016 expressed as 16032016 which equals 4004×4004 . The second one is 22/6/2016 and the third one is 9 September 2016 expressed in six digits as 992016, which equal 996×996 .

Although this year has three, perfect square dates are rare. Last time they occurred before 2016 was in 2009 when there were two seven-digit ones: 4 January 2009 written as 4012009 which equals the square of 2003 followed by 3 May 2009 expressed as 3052009 which equals 1747×1747 .

Before 2009, the first two perfect square dates of the 21st century both occurred in 2004: 9 January 2004 expressed as 9012004 (3002×3002) and 2 May 2004 expressed as 252004 (502×502).

After 2016, next time a perfect square date will occur will be in square year 2025 when there will be four of them: 9 January 2025 (912025), 6 March 2025 (632025), 1 September 2025 (1092025), and 27 September 2025 (27092025).

Note that there are also perfect square dates in the month/day/year date format used in the United States, however, they mostly occur on different days compared to the perfect square dates occurring in the day/month/year date format. This year, there are also three perfect square dates in the month/day/year date format: February 26, 2016 (2262016), September 9, 2016 (992016), and December 22, 2016 (12222016). The only perfect square date to occur this year that falls on the same day in both date formats is 9 September 2016 (992016).

Perfect square dates are really fun to keep track and share. They also have the power to tease our brain because they involve large square numbers. On a day like this, I encourage you to pay attention to other squares in your surrounding because squares play such an important role in our lives.

Happy perfect square date, 22/6/2016!

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[1] A. S. Inan, "A Numerical Milestone, No Foolin'," *The Beacon*, Vol. 110, Issue No. 22, p. 13, University of Portland, Portland, Oregon, April 2, 2009.

<http://www.upbeacon.com/2009/04/02/a-numerical-milestone-no-foolin/>

[2] A. S. Inan, "Century of Squares," *The Beacon*, Vol. 110, Issue No. 18, p. 14, University of Portland, Portland, Oregon, February 26, 2009.

<http://www.upbeacon.com/2009/03/26/century-of-squares/>

[3] A. S. Inan, "Perfect Square Dates in 2016," *The Beacon Online*, University of Portland, Portland, Oregon, February 26, 2016.

<http://www.upbeacon.com/2016/02/26/perfect-square-dates-in-2016/>