

730 Daily Math Warm-Ups

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November 8

On November 8 of this year, the Louvre opened to the public. One of the Paris art museum's famous paintings is the *Mona Lisa*.

- My tens digit is equal to the square of my units digit; they are both odd numbers.
- My hundreds digit is the largest single-digit prime number.

What year am I?

On November 8 of this year, English astronomer and mathematician Edmund Halley was born in London, England. He was the first to observe the comet that was named after him. Halley's Comet can be seen about every 76 years; it is next expected to be visible in 2061. There have been only 28 recorded appearances since 240 B.C.

- My hundreds and units digits are the same hexagonal number.
- The sum of my thousands digit and tens digit is equal to my hundreds digit.

What year am I?

November 9

On November 9 of this year, New York City and most of the northeastern United States blacked out due to an electric power failure. More than 30 million persons in an area of 80,000 square miles were affected.

- The sum of my thousands digit and my prime units digit is equal to my perfect tens digit.
- The product of my hundreds digit and units digit is 45.

What year am I?

On November 9 of this year, the Berlin Wall came down and the borders between East and West Berlin were opened. The wall had separated families for over 29 years and had been a symbol of the Cold War between the Soviet bloc nations and the United States.

- My hundreds and units digits are the same square number.
- The sum of my thousands digit and tens digit is equal to my hundreds digit.

What year am I?

November 10

On November 10 of this year, Americans made the first long-distance calls coast-to-coast without the assistance of an operator. This “direct dial telephone service” was inaugurated when the mayor of Englewood, New Jersey, called the mayor of Alameda, California. The call marked the beginning of a test program involving about 10,000 customers of New Jersey Bell telephone system.

- Four less than my hundreds digit is equal to my pentagonal tens digit.
- My thousands and units digits are the same number.

What year am I?

On November 10 of this year, Martin Luther was born at Eisleben, Germany. The former monk who founded Protestantism called for reformation of the Roman Catholic Church, which led to his trial for heresy and excommunication. He left the Church, married, and had six children.

- My hundreds digit is half my tens digit; both are even numbers.
- The sum of 1 and my units digit is equal to my hundreds digit.
- The sum of my digits is 16.

What year am I?

November 11

On November 11 of this year, an armistice was signed in a railway car in the Forest of Compiègne, France. Because hostilities ending this war ceased at 11 A.M., many places observe a silent memorial at the 11th hour of the 11th day of the 11th month each year.

- My thousands and tens digits are the same.
- The sum of my tens and units digits is equal to my hundreds digit.
- The sum of my digits is 19.

What year am I?

On November 11 of this year, Massachusetts passed the first law making school attendance compulsory.

- Both my hundreds and tens digits are even numbers; the tens digit is $\frac{2}{3}$ of my hundreds digit.
- My units digit minus my thousands digit is equal to my hundreds digit.
- The sum of all of my digits is 18.

What year am I?

November 12

On November 12 of this year, American woman suffragist and reformer Elizabeth Cady Stanton was born in Johnstown, New York. The 15th Amendment to the U.S. Constitution granted former male slaves the right to vote, but no *women* were allowed to vote. Women formed the National Woman Suffrage Association to achieve this right. Elizabeth Stanton became president of this group.

- My date is divisible by 3 and 5.
- My hundreds digit is equal to 2^3 .
- My thousands and tens digits are the same.

What year am I?

On November 12 of this year, French sculptor Auguste Rodin was born in Paris, France. He is best known for his statue *The Thinker*.

- My tens digit is $\frac{1}{2}$ of my hundreds digit.
- My date is divisible by 2, 5, and 10.
- The sum of my digits is 13.

What year am I?

November 13

On November 13 of this year, Scottish author Robert Louis Stevenson was born in Edinburgh, Scotland. Stevenson wrote the novels *Treasure Island*, *Kidnapped*, and *The Strange Case of Dr. Jekyll and Mr. Hyde*.

- The two-digit number formed by my tens and units digits is divisible by 2, 5, and 10.
- My hundreds digit is an even cubic number.
- The sum of my digits is 14.

What year am I?

On November 13 of this year, the Holland Tunnel was completed in New York. Running under the Hudson River, it connects New York City with Jersey City, New Jersey. Its two tubes accommodate two lanes of traffic.

- The sum of my tens and units digits is equal to my hundreds digit.
- If you subtracted one from my units digit and then cut that number into three equal parts, you would get my tens digit.
- The sum of all of my digits is 19.

What year am I?