

MathFLIX CHALLENGE

September 13, 2007

Social Studies Puzzles

Benjamin Banneker was a famous African American scientist who really enjoyed puzzles. Read the information and the puzzle clues below to create a timeline of his life.

Banneker Information

Benjamin Banneker was born in Maryland in this year.

This is the year Banneker published his first almanac.

Banneker wrote to Thomas Jefferson to protest slavery this year.

Benjamin Banneker died this year.

Puzzle Clues

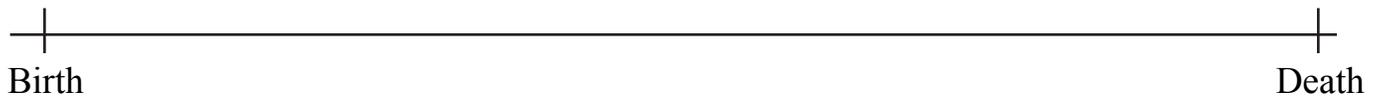
1. All of the digits are odd numbers.
2. The year begins and ends with the same number.
3. The hundreds digit is two times the tens digit plus one.
4. The sum of the digits is 12.

1. All of the digits are odd numbers.
2. The year is divisible by 3.
3. It would be a palindrome if the tens digit was decreased by 2.
4. The sum of the digits is 18.

1. The tens digit is an odd square number.
2. The year is an even number.
3. The sum of the hundreds and ones digits equals the tens digit.
4. The hundreds and ones digits are prime numbers.

1. None of the digits are prime numbers.
2. The hundreds digit is a cube number.
3. The ones digit is 75% of the hundreds digit.
4. The sum of the digits is 15.

Banneker Timeline



Numbers are an important part of life and can often help answer questions that are not directly related to math. Here are three interesting stories about Banneker that you can research independently to discover whether they are fact or fiction.

The Social Studies Question

Did Banneker build the first American clock?

Did Banneker's great memory save the design plans for Washington, D.C.?

Was Banneker's grandmother named Mary Walsh?

Available Information

We know Banneker made a clock from wood which kept perfect time from 1753 to the day of Banneker's death when his house mysteriously burned down.

We know that Pierre Charles L'Enfant left with the plans for Washington D.C. when he was fired by George Washington.

We know that Mary Walsh, a milkmaid in England, was sentenced to death but because she could read the Bible, she was sent to the colonies as an indentured servant.