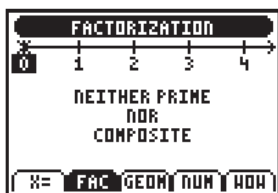


# Number Curiosities App

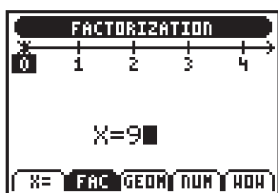
This App illustrates and animates interesting facts about numbers 0 through 25. Students can investigate factorization, geometric characteristics, and both mathematical and real-world interesting facts related to that number.



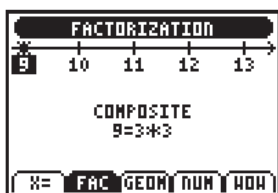
**1**  
With the handheld turned on, press [APPS]. Select NumCurio. Press any key as requested to arrive at Screen 2.



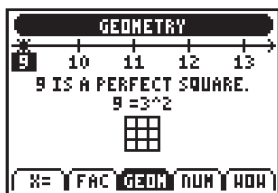
**2**  
The initial screen will display a number line showing 0 to 4. Options <X=>, <FAC>, <GEOM>, <NUM>, and <WOW> appear along the bottom of the screen. They are accessed by pressing the corresponding graphing key.



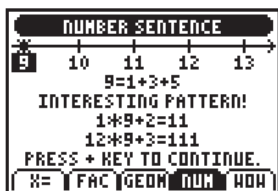
**3**  
Select the <X=> option, then type a whole number from 0 through 25. Press [ENTER]. (You may also select a number by moving your cursor along the number line using the arrow keys.)



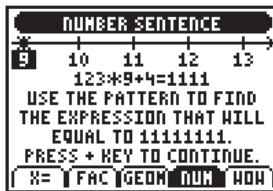
**4**  
The <FAC> option will show the number's prime factorization and tell if it is prime or composite.



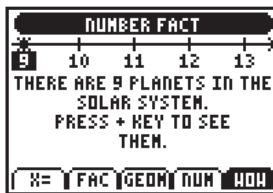
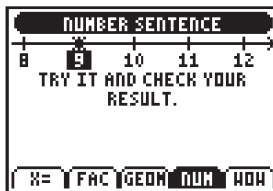
**5**  
The <GEOM> option will show a geometric representation of the number and tell how it is connected to a geometric figure (e.g. square, triangular, and hexagonal numbers).



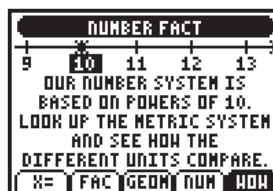
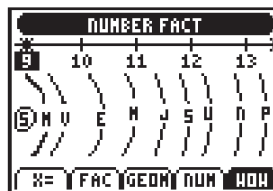
**6**  
The <NUM> option will provide one or more interesting number patterns, such as if the number is a sum of consecutive whole numbers or if it can be written as a factorial.



**7**  
If there is more information than will fit on one screen, there will be an option to press the "+" key to see more.



**8**  
The <WOW> option will provide other interesting facts about the number. Most are real-world connections to the number.



**9**  
Press the right or left arrows to move the cursor to another number on the number line. The current option will remain active until another option is selected.

**10**  
Press [2nd] [QUIT] at any time to exit the application.