Suppose that I give you a penny today and double it every day for 20 days.

- What kind of function would model this situation?
  Exponential: $y = 1 (2)^x$

- How could you determine on which day you will receive $0.64?

  replace y with 64 and solve for x: $64 = 1(2)^x$

- How does answering this question relate to the concept of an inverse function?
  You'd like to be able to rewrite the equation and get x = , which is the inverse.

In the Sierpinski Triangle

- what are the two variables in the situation?

  # of iterations   &   # of upward triangles

In the Sierpinski Triangle

- Which is the independent variable and which is the dependent variable?

  Indep var = # iterations
  Dep var = # of upward triangles

In the Sierpinski Triangle

- Why is this a functional relationship?

  Because for any given iteration there is only one amount of upward triangles.

Answer SAS3   questions 2 & 3

Answer SAS3   question 4

reveal answers

Answer SAS3   questions 5 & 6

Answer SAS3   questions 7 & 8

Answer SAS3 - question 9

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Answer SAS3 - question 10

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