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Resource ID#: 42352

Primary Type: Problem-Solving Task

Foxes and Rabbits

This task emphasizes the importance of the "every input has exactly one output" clause in the definition of a function, which is violated in the table of values of the two populations. Noteworthy is that since the data is a collection of input-output pairs, no verbal description of the function is given, so part of the task is processing what the "rule form" of the proposed functions would look like.

Foxes and Rabbits (Microsoft Word): This file includes the task and related information in Microsoft Word format.

Foxes and Rabbits (PDF): This file includes the task and related information in PDF format

General Information

Subject(s): Mathematics

Grade Level(s): 8

Intended Audience: [Educators](#), [Students](#), [Parents](#)

Instructional Time: 15 Minute(s)

Freely Available: Yes

Keywords: foxes and rabbits, foxes, rabbits, relationship, function, cpalms, icpalms, illustrativemathematics.org, illustrative mathematics, tasks, mathematics, math, Florida standards, resource, free, freely available, problems-based learning, student activities

Instructional Component Type(s): [Problem-Solving Task](#)

Resource Collection: Illustrative Mathematics

Source and Access Information

Contributed by: Brian Carmichael

Name of Author/Source: Brian Carmichael

District/Organization of Contributor(s):

Is this Resource freely Available? Yes

Access Privileges: Public

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Aligned Standards

Name	Description
MAFS.8.F.1.1:	Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.