

Student Task	Identify number pairs on a coordinate grid.
Core Idea 3 Algebra and Functions	Understand relations and functions, analyze mathematical situations, and use models to solve problems involving quantity and change. <ul style="list-style-type: none">• Explore relationships between symbolic expressions and graphs of lines• Relate and compare different forms of representations for relationships including words, tables, graphs in the coordinate plane and symbols (7th grade)

Number Pairs

This problem gives you the chance to:

- identify number pairs on grids

Below is a list of 5 descriptions of different pairs of numbers.

The first number in the pair is always 12.

The two numbers add up to 12.

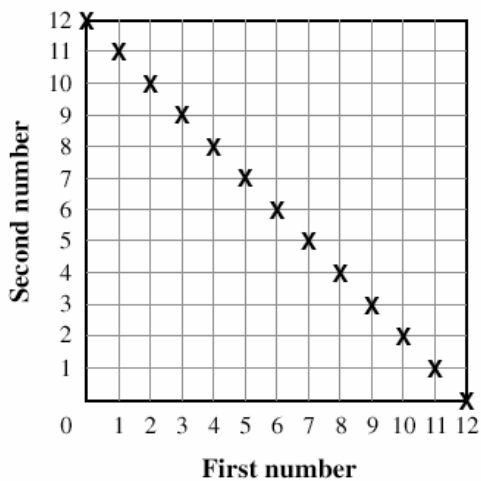
The first number is equal to the second number.

The second number is twice the first number.

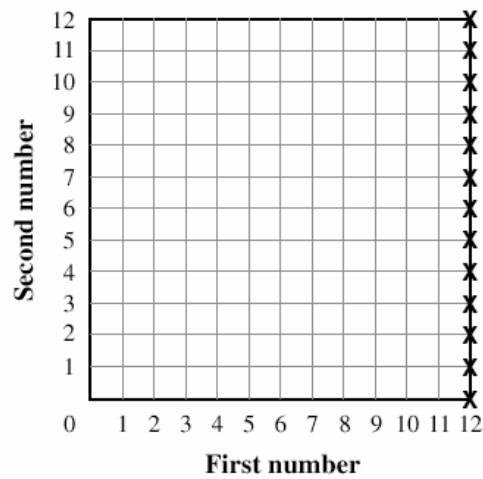
The two numbers add up to 6.

On the grids below, each X shows a pair of numbers.

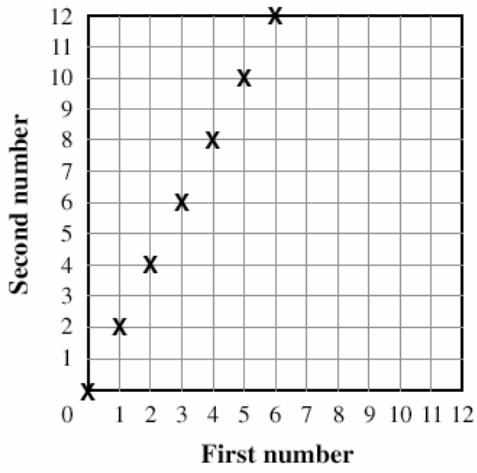
1. For each set of pairs shown on the four grids, choose the correct description from the list above and write it underneath the grid.



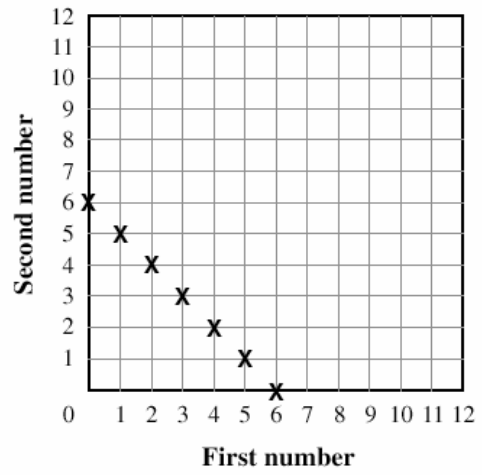
Description



Description

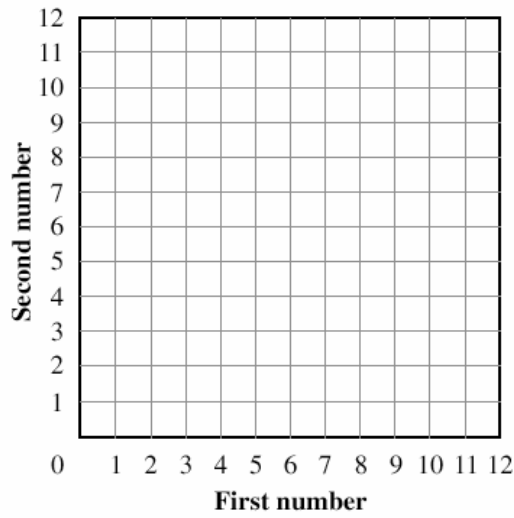


Description



Description

2. On the grid below, plot pairs of numbers to fit the remaining description.



Description

5

Number Pairs		Test 8 Form A Rubric	
The core elements of performance required by this task are: • identify number pairs on grids Based on these, credit for specific aspects of performance should be assigned as follows:		Points	Section Points
1. Writes correct descriptions under each grid: The two numbers add up to 12. The first number in the pair is always 12. The second number is twice the first number. The two numbers add up to 6.		1 1 1 1	4
2. Correctly plots on the grid at least 4 Xs with both numbers equal (along the $y = x$ diagonal). Gives correct description as: The first number is equal to the second number.		1	1
Total Points			5

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