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Link Tables, Graphs, and Equations for Linear Relationships

Worksheet item prompts and blank response spaces

Each item gives one representation; blank spaces for the other two and a consistency check.

Item 1 (table): (0, 5), (1, 8), (2, 11). Write the equation and describe the graph.

Item 2 (equation): y = -x + 4. Build a table for x = 0, 1, 2 and describe the graph.

Item 3 (graph): passes through (0, 1), (1, 4), (2, 7). Write the table and equation.

Item 4 (table): (1, 2), (3, 8), (5, 14). Find the equation and check with x = 4.

Item 5 (equation): y = 2x + 3. Build a table for x = 0, 1, 2 and describe the graph.

Item 6 (graph): passes through (0, 2), (1, 6), (2, 10). Write the table and equation. For each item, show a consistency check.

Link Tables, Graphs, and Equations for Linear Relationships

Worksheet response space

Blank student response space for the 6 items.

Link Tables, Graphs, and Equations for Linear Relationships

Original tasks 1, 2, 3 / blank responses

Task 1

A table shows (0, 5), (1, 8), (2, 11). Write the equation and describe the graph.

Task 2

An equation is y = -x + 4. Build a table for x = 0, 1, 2 and describe the graph.

Task 3

A graph (described) passes through (0, 1), (1, 4), and (2, 7). Write the table and equation.

Link Tables, Graphs, and Equations for Linear Relationships

Original tasks 4 / blank responses

Task 4

A table shows (1, 2), (3, 8), (5, 14). Find the equation and check with a fourth point x = 4.