Algebra

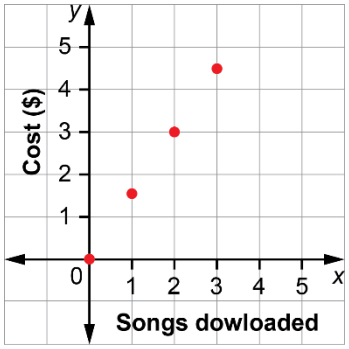
Activity 3 Assessment
Representing Linear Relations

Representing Linear Relations

Graphs a linear relation when given a table of values

"I drew a graph to show the data from this table."

Songs downloaded, x	0	1	2	3
Cost ($), y	0	1.5	3	4.5



Distinguishes situations involving discrete and continuous data

"I don't need to join the points on my graph about costs to download songs because you can't buy part of a song."

Represents a linear relation in other forms when given one representation

"I was given a graph showing the cost of pizza slices. I identified ordered pairs for the points on the graph and made this table of values.

Number of slices	1	2	3	4	5
Cost ($)	3	6	9	12	15

Every time you buy another slice, the price goes up by $3. An equation describing the cost of buying x slices is $y = 3x$.

Analyzes a linear relation and uses it to determine solutions to problems

Number of slices	1	2	3	4	5
Cost ($)	3	6	9	12	15

An equation describing the cost of buying x slices is $y = 3x$.

By extending my table of values, I can see that it would cost $21 to buy 7 slices of pizza.
By substituting in my equation, I can see that it would cost $45 to buy 15 slices.

Observations/Documentation

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