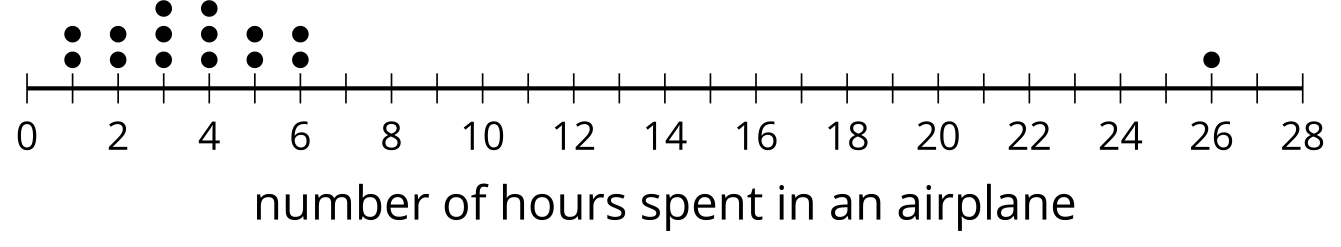
### Lesson 6 Practice Problems

1. Which equation is equivalent to the equation ?
2. Select **all** the equations that have the same solution as the equation .
3. Jada has a coin jar containing nickels and dimes worth a total of $3.65. The equation is one way to represent this situation.

* Which equation is equivalent to the equation ?

1. Select **all** the equations that have the same solution as .
2. The number of hours spent in an airplane on a single flight is recorded on a dot plot. The mean is 5 hours and the standard deviation is approximately 5.82 hours. The median is 4 hours and the IQR is 3 hours. The value 26 hours is an outlier that should not have been included in the data.

* 
* When the outlier is removed from the data set:
  1. What is the mean?
  2. What is the standard deviation?
  3. What is the median?
  4. What is the IQR?
* (From Unit 1, Lesson 14.)

1. A basketball coach purchases bananas for the players on his team. The table shows total price in dollars, , of  bananas.

* Which equation could represent the total price in dollars for bananas?

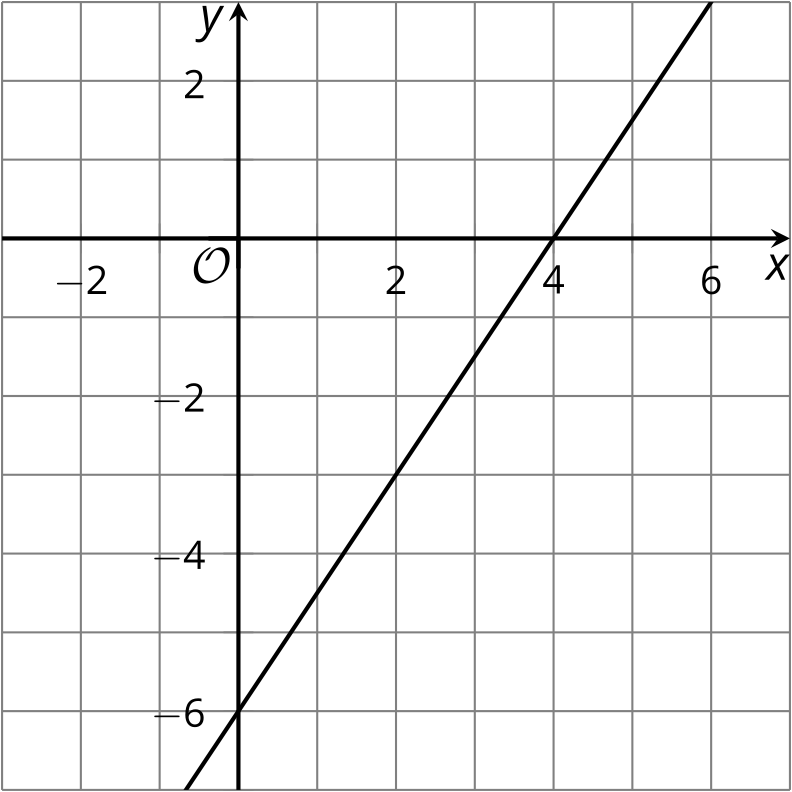
| * number of bananas | * total price in dollars |
| --- | --- |
| * 7 | * 4.13 |
| * 8 | * 4.72 |
| * 9 | * 5.31 |
| * 10 | * 5.90 |

* (From Unit 2, Lesson 3.)

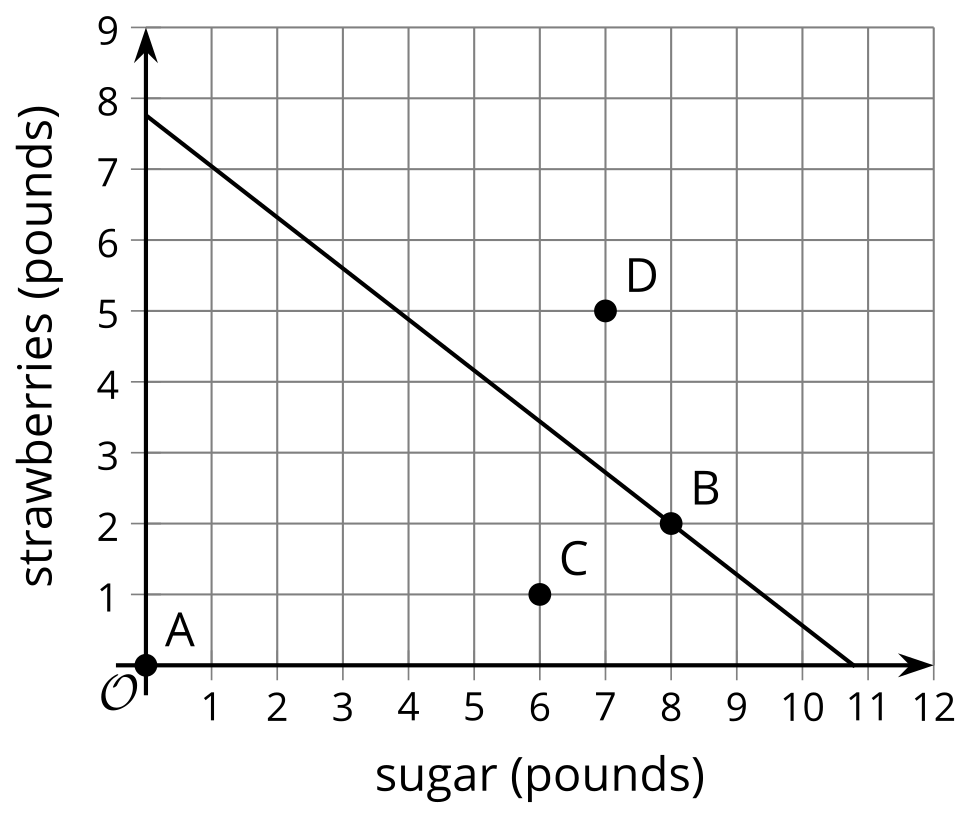
1. Kiran is collecting dimes and quarters in a jar. He has collected $10.00 so far and has dimes and quarters. The relationship between the numbers of dimes and quarters, and the amount of money in dollars is represented by the equation .

* Select **all** the values that could be solutions to the equation.
* (From Unit 2, Lesson 4.)

1. Here is a graph of the equation .

* Select **all** coordinate pairs that represent a solution to the equation.
* 
* (From Unit 2, Lesson 5.)

1. Jada bought some sugar and strawberries to make strawberry jam. Sugar costs $1.80 per pound, and strawberries cost $2.50 per pound. Jada spent a total of $19.40.

* Which point on the coordinate plane could represent the pounds of sugar and strawberries that Jada used to make jam?
* 
  1. Point A
  2. Point B
  3. Point C
  4. Point D
* (From Unit 2, Lesson 5.)



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