

Sample PARCC Math Question

Mathematics 

Use the information provided to answer Part A and Part B for question 25.

In a basketball game, Marlene made 16 field goals. Each of the field goals were worth either 2 points or 3 points, and Marlene scored a total of 39 points from field goals.

25. Part A

Let x represent the number of 2-point field goals and y represent the number of 3-point field goals. Which equations can be used as a system to model the situation?

Select **all** that apply.

- Ⓐ $x + y = 16$
- Ⓑ $x + y = 39$
- Ⓒ $2x + 3y = 16$
- Ⓓ $2x + 3y = 39$
- Ⓔ $3x + 2y = 16$
- Ⓕ $3x + 2y = 39$

Part B

How many 3-point field goals did Marlene make in the game?

Enter your answer in the box.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Sample Redesigned SAT Question



Math: Question 18 of 30

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SAT PSAT/NMSQT PSAT 10 Calculator: Permitted Heart of Algebra

The toll rates for crossing a bridge are \$6.50 for a car and \$10 for a truck. During a two-hour period, a total of 187 cars and trucks crossed the bridge, and the total collected in tolls was \$1,338. Solving which of the following systems of equations yields the number of cars, x , and the number of trucks, y , that crossed the bridge during the two hours?

Select an Answer

Ⓐ $x + y = 1,338$
 $6.5x + 10y = 187$

Ⓑ $x + y = 187$
 $6.5x + 10y = \frac{1,338}{2}$

Ⓒ $x + y = 187$
 $6.5x + 10y = 1,338$

Ⓓ $x + y = 187$
 $6.5x + 10y = 1,338 \times 2$

View Correct Answer

