

Mathematics

- 5 This table shows the relationship between the number of pies sold at a farm and the total profit made, in dollars, from the pies sold at the farm.

Profit Made from Pies Sold

Number of Pies Sold, n	Profit Made, p (dollars)
2	8
4	16
6	24
8	32

Part A

Based on the table, what is the profit made, in dollars, from each pie sold at the farm? Show or explain how you got your answer.

Enter your answer and your work or explanation in the space provided.

Part B

Write an equation that can be used to find p , the total profit made, in dollars, when n pies are sold at the farm.

Enter your equation in the space provided.

Part C

Use the equation you wrote in Part B to calculate the profit made, in dollars, when 15 pies are sold at the farm. Show or explain how you got your answer.

Enter your answer and your work or explanation in the space provided.

Part D

One day, the farm made a profit of \$144 from the pies sold. How many pies were sold at the farm on that day? Show or explain how you got your answer.

Enter your answer and your work or explanation in the space provided.

Mathematics

Student:

Grade 6 MCAS: Constructed-Response

Period:

Lined area for writing the response.

**Open Response
Question Title:**

Pie Farm