Be a Critic

A cable car ticket costs $18. One day, a car carried 429 people with single-ride tickets. How much were ticket sales for that day?

Arianna and Marcus solved the problem as shown below. Use their work to answer the questions.

Arianna
429
× 18
3432
4 2 9
7461 $7,461

Marcus
(area model)

	400	20	9
10	4,000	200	90
8	3,200	160	72

4,000 + 3,200 + 200 + 160 + 90 + 72 = $7722

1. Is Arianna's answer reasonable? Explain your reasoning.

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2. Did Arianna solve the problem correctly? Explain your reasoning.

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3. Did Marcus solve the problem correctly? Explain your reasoning.

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