

Instructions

Complete the following problems using math and reasoning skills based on the Baltimore trip scenario.

Part 1: Gas Costs and Car Rental Comparison

GAS - Unit Rates and Multiplication

How many gallons of gas did you buy? What was the cost per gallon?

Gallons:

Cost per gallon: \$

Total gas cost (multiply): \$

Formula: Total gas cost = Gallons \times Cost per gallon

Rental Car vs Borrowed Car Comparison

Question: Which option was more cost-effective: renting a car for \$428 or borrowing a car and paying for gas?

How much money did your family save by borrowing the car instead of renting one?

Rental car total: \$428

Borrowed car gas total: \$

Total savings: \$

Part 2: Port Discovery Experience - Percent and Discounts

Original ticket price for Port Discovery: \$24.95 per person

Discounted ticket price through PlayMakers program: \$5 per person

Group size: 1 adult and 3 students (total 4 people)

Original total cost: \$

Discounted total cost: \$

Total savings: \$

Percent saved:

%

Formula: Percent Discount = (Amount Saved / Original Total Cost) \times 100%

Bonus Word Problem: Parking Costs

Cost without validation: \$34

Discount offered: \$15

Money they could have saved: \$

Question: How could the homeschool group have planned better to save money on parking?

Follow-up Question: How much money could the homeschool group have saved in total if they used both the PlayMakers discount for entry and the validated parking discount?

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Part 3: Aquarium and Parking Costs

Aquarium: \$

Parking (after validation): \$19

Total Cost: \$

Word Problem: Aquarium Tickets and Parking

Ticket costs:

Adult tickets: \$39.95 each

Child tickets: \$29.95 each

Group size: 2 adults and 2 children

Discount: 40% off for AAA.com purchase

Parking fees:

Original parking fee: \$35

Validated parking fee: \$19

Question 1: Aquarium Ticket Savings

Original adult tickets: $\$39.95 \times 2 = \$$

Original child tickets: $\$29.95 \times 2 = \$$

Total original cost: \$

Discount percent: 40%

Discount amount: \$

Discounted total cost: \$

Question 2: Parking Discount

Original parking fee: \$35

Validated parking fee: \$19

Parking discount: \$

Formula: Discount = Original Price – Discounted Price

Additional Question

How much did your family save using the AAA discount for aquarium tickets? What was the discounted total cost?

Original total cost: \$

Discount percent: 40%

Discount amount: \$

Discounted total: \$

Part 4: Total Cost of the Trip

Total Cost: \$