

**Test 8—Question 4: Problem Solving**

**Exemplary Response:**

- 161.5 miles

AND

- Yes, the family will be able to get to his grandparents' house without stopping for gasoline. The total trip is 161.5 miles. If  $\text{distance} = \text{rate} \times \text{gallons}$ , then the distance they can travel is  $19 \times 9 = 171$  miles. They could travel almost 10 miles past his grandparents' house before needing more gasoline.

OR

- Other valid explanation

**NOTE:** Award 1 point for correct explanation based on an incorrect response to the first question.

**Rubric:**

**2 points** Exemplary response

**1 point** One correct component

**0 points** Other

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