

How much gasoline and money can a hybrid vehicle save?

Grade level: 5th grade
Skills: Multiplication and Division
Related environmental issues: Energy



Toyota Motor Manufacturing Plant in Princeton, Indiana, manufactures Highlander Hybrid. By using an electric motor, the Highlander Hybrid depends less on gasoline and emits 90% fewer exhaust gas than the average gasoline powered vehicle.

The 2018 model of Highlander Hybrid can run 28 miles on a gallon of gasoline. Hailey's family plans a trip to the Yellowstone National Park and the distance to and from the park is 756 miles.



2018 Highlander Hybrid

1. How many gallons of gasoline will Hailey's family use for the trip?
2. Brent's family next door has a 2018 Ford Explorer that runs 18 miles on a gallon of gasoline and will join the trip. How many gallons of gasoline will Brent's family use for the trip?
3. How many more or less gallons of gasoline will Hailey's family use than Brent's family?
4. The price of gasoline is \$2.50. How much more or less will Hailey's family spend for gasoline than Brent's family?

Answer Key

1. 27 gallons ($756 \div 28 = 27$)
2. 42 gallons ($756 \div 18 = 42$)
3. 15 gallons less ($42 - 27 = 15$)
4. \$ 37.5 ($15 \times 2.5 = 37.5$)



Highlander Manufacturing in
Princeton, Indiana