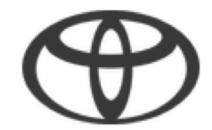
## How much gasoline and money can a hybrid vehicle save?

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