

A dairy farmer uses two trucks to deliver milk. The two trucks use different kinds of fuel. Truck A uses gasoline and Truck B uses diesel. The table below shows the distance, in miles, that each truck can travel per gallon of fuel.

Miles Traveled per Gallon of Fuel

Gallons of Fuel	Truck A (Gasoline)	Truck B (Diesel)
1	8 miles	12 miles
2	16 miles	24 miles
3	24 miles	36 miles
4	? miles	48 miles
5	40 miles	60 miles

- Based on the table, what is the total number of miles Truck A can travel using 4 gallons of gasoline? Show or explain how you got your answer.
- Based on the table, what is the total number of gallons of diesel Truck B will use to travel 132 miles? Show or explain how you got your answer.
- Gasoline costs \$4 per gallon and diesel costs \$5 per gallon. Which truck will have a lower fuel cost for a 24-mile trip? Show or explain how you got your answer.