Rating The Trip

Mr. and Mrs. A drove 270km to visit grandma for Thanksgiving dinner. Their car got 15km per litre of gas during the trip. They drove at an average rate of 90km per hour and the gasoline for the trip cost $17.88.

Calculate each of the following. You may use a calculator. Round all the numbers to the nearest hundredth (or penny)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. | Litres of gasoline used |  | 7. | Total Passenger km |  |
| 2. | Hours of travel |  | 8. | Passenger km per litre |  |
| 3. | Dollars per hour |  | 9. | Dollars per passenger hour |  |
| 4. | Dollars per passenger |  | 10. | Dollars per passenger km |  |
| 5. | Dollars per km |  | Bonus | Average metre per second |  |
| 6. | Dollars per litre |  |  |  |  |

**Calculate the unit rates or unit prices for the problems below.**

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| --- | --- | --- |
| 11. | 5 litres of water costs $6.25. Find the unit price per litre. |  |
| 12. | IGA charges $60 for a 20 pound turkey. Tom Thumb charges $25 for a 10 pound turkey. Which is a better deal? |  |
| 13. | Four bottles of Gatorade costs $3.88. Find the unit price of each bottle. |  |
| 14. | Mr. A bought 15 litres of car oil for $23.85. Joe bought 16 litres of oil for $24.88. Who paid less per litre? |  |
| 15. | Mr. A drove 264 km using 12 litres of gas to get to McDonalds. Rita drove 315 km using 15 litres of gas to get to Wendy's. Who got more km per litre? |  |
| 16. | Mr. A bought 14 Clif bars for $14.95. How much for one Clif bar? |  |