Divide money amounts word problems

a. Lary works in an automobile company. They just shipped out 5 brand new cars. The total cost of these cars was $1,067,800. If they all cost the same amount, what was the price of each car?

b. Rita and six of her friends spent $19.65 to buy a make up kit. They divided the cost equally. How much did each friend pay? Write your answer to the nearest cent.

c. Aliya works as a bar tender in a very renowned restaurant. If he works for 12 days and earns $1296.84, how much does he earn per day.
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a. Lary works in an automobile company. They just shipped out 5 brand new cars. The total cost of these cars was $1,067,800. If they all cost the same amount, what was the price of each car?

\[
\text{total cost of all cars} = $1,067,800 \\
\text{number of cars shipped} = 5 \\
\text{therefore the cost of each car} = \frac{\text{total cost of all cars}}{\text{number of cars shipped}} \\
\frac{$1,067,800}{5} = $213,560
\]

So, each car costs $213,560

b. Rita and six of her friends spent $19.65 to buy a make-up kit. They divided the cost equally. How much did each friend pay? Write your answer to the nearest cent.

\[
\text{total amount spent} = $19.65 \\
\text{number of people} = 7 \\
\text{divide }$19.65 \text{ by } 7 \text{ to get the amount of money each friend paid} \\
19.65 \div 7 = $2.807 \\
\text{2.807 to the nearest cent (hundredth) = }$2.81 \]

So, each friend paid $2.81

c. Aliya works as a bar tender in a very renowned restaurant. If he works for 12 days and earns $1,296.84, How much does he earn per day.

\[
\text{number of working days} = 12 \\
\text{total amount earned in the course of 12 days} = $1,296.84 \\
\text{divide }$1,296.84 \text{ by } 12 \text{ to get how much he earns per day} \\
\begin{array}{c|c}
108.07 \\
\hline
12 & 1296.84 \\
- 12 & 96 \\
\hline
& -96 \\
& 084 \\
& -84 \\
& 00
\end{array}
\]

So, Aliya earned $108.07 per day.