Sales Tax: The amount of sales tax is a percentage of the purchase price.

\[
\left( \frac{\%}{\text{Total}} \right) \cdot \left( \text{Portion} \right) = \left( \text{Amount of Sales Tax} \right)
\]

\[
\left( \text{Amount of Sales Tax} \right) = \left( \text{Total} \right) \cdot \left( \% \right)
\]

The amount of sales tax is a percentage of the purchase price.
A person purchases a television for $749.99. The sales tax rate is 8.25%. What is the sales tax amount?

\[
\text{Amount of Sales Tax} = \left( \frac{\%}{\text{Tax}} \right) \cdot \left( \text{Purchase Price} \right)
\]

\[
x = 0.825 \cdot 749.99
\]

\[
x = 61.99
\]
The total price paid for a refrigerator was $1,244.85. The price tag indicates a purchase price of $1,158.00. What is the sales tax rate?

\[
\left( \frac{\text{Amount of Sales Tax}}{\text{Sales Tax}} \right) = \left( \frac{\%}{\text{Tax}} \right) \cdot \left( \frac{\text{Purchase Price}}{\text{Price}} \right)
\]

\[
= 0.86 \cdot 1,158.00
\]

\[
= 866.85
\]

\[
\text{Sales Tax} = 866.85
\]
The amount of commission is a percentage of the total sales.

\[
\left( \frac{\text{Amount of Commission}}{\text{Commission}} \right) = \left( \frac{\%}{\text{Commission}} \right) \cdot \left( \frac{\text{Total Sales}}{\text{Sales}} \right)
\]
A sales person sells $3,512.23 worth of furniture in one week. Her commission rate is 18%. How much commission did she earn?

\[
\text{Amount of Commission} = \left(\frac{\%}{\text{Commission}}\right) \cdot \left(\frac{\text{Total Sales}}{\text{Sales}}\right)
\]

\[x = \cdot \]

\[x = \cdot \]

\[x = \cdot \]
A sales clerk has a certain commission rate. A recent paycheck showed the amount of commission earned was $985.23. The total sales for the clerk during this pay period was $6,568.20. What is the commission rate?

\[
\left( \frac{\text{Amount of Commission}}{\text{Commission}} \right) = \left( \frac{\%}{\text{Commission}} \right) \cdot \left( \frac{\text{Total Sales}}{\text{Sales}} \right)
\]

\[
985.23 = \frac{0.}{x}
\]