\[ \bar{x} = 76.2 \]
\[ s = 24.76 \]
\[ n = 20 \]
\[ \min = \]
\[ Q_1 = 54.5 \]
\[ {\text{med}} = 88 \]
\[ Q_3 = 96.5 \]
\[ \max = 100 \ (2) \]
Chapter 11
Finance

11.1 Per Cent

Per Cent means per 100.

6% = .06 = \frac{6}{100}
Change to a %

\[ \frac{7}{8} = 0.875 = 87.5\% \]
\[
\frac{11.10}{14} \quad \text{write as a } \%
\]
\[
13.678 = 1367.8\%
\]

Ex 1 \quad = \quad 100\%
Change % to decimal

11.0
16  6.9% = 0.069

20  \( \frac{3}{8} \) % = 0.375 %

= 0.00375
9 problems

"is" means "=

"of" means "multiply"

11. 48. what is 6.5% of 150

\[ x = 0.065 \times 150 \]

\[ x = 9.75 \]

or

\[ \frac{6.5}{100} = \frac{x}{150} \]

\[ 6.5 \times 150 = 100x \]

\[ 975 = 100x \]

\[ \frac{975}{100} = x \]

\[ 9.75 = x \]
What % of 75 is 15?

\[ p \times (75) = 15 \]

\[
\frac{75 \div p}{75} = 15 \\
75 \div 15 = 75 \div p
\]

\[ p = \frac{1}{5} = 0.20 \]

20%
10% of what number is 75?

\[ 10 \times x = 75 \]

\[ \frac{1}{0.1} = \frac{75}{x} \]

\[ x = 750 \]
Ex. You bought a car for $13,249.98 including the 6% sales tax. What is the price of the car?

Let \( p = \text{price of car} \)

<table>
<thead>
<tr>
<th>Price of Car</th>
<th>Tax</th>
</tr>
</thead>
<tbody>
<tr>
<td>$13,249.98</td>
<td>.06</td>
</tr>
</tbody>
</table>

\[ \text{price of car} + \text{tax} = \text{amt paid} \]

\[ 1.06p = 13,249.98 \]

\[ \frac{1.06p}{1.06} = \frac{13,249.98}{1.06} \]

\[ p = 12,499.98 \]
Pay $320 per unit
Sells for $699 per unit
Find % of markup.

<table>
<thead>
<tr>
<th>Dealer Cost</th>
<th>Markup</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Selling price:

320 + markup = 699
markup = 699 - 320
markup = $379

Markup is what % of cost.

\[
\frac{379}{320} = p \times \frac{320}{320}
\]

\[
1.184 = p
\]

\[\text{118.4\% markup}\]
To increase or decrease is always a certain % of the original.
Wednesday
Rework those missed on the test.

Read 11.1

Do 11.1 Those assigned