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(c)

$$
\begin{aligned}
& \text { c) } I=p \cdot r \cdot t \\
& \begin{array}{cl}
280 \\
\frac{5}{400}
\end{array} \begin{cases}.0425 & P=280 \\
140 Q & r=4.25 \%=.0425 \\
\frac{170000}{2} & t=5 \\
\frac{425000}{59.5000} & \$ 59.50\end{cases}
\end{aligned}
$$

Comparing and ordering is easter all in the same form.

$$
\begin{align*}
& 6.75 \%= 6.75 \%  \tag{2}\\
& \underbrace{20625}= 6.25 \%  \tag{1}\\
& \frac{7}{100}=.07=7.00 \%
\end{align*}
$$

$\rightarrow$ make a decimal
then as a percent
Percent to Decimal
(21) $3 . \%=.03$
move 2 spaces to left
Same rules apply
(1) $325 \%=3.25=3 \frac{1}{4}=3 \frac{25}{100}$
(3) $480 \%=4.8$ on 4.8


$$
\begin{aligned}
& 3.25=3 \frac{25}{100}=3 \frac{1}{4} \\
& 0 \frac{4}{5}=1 \\
& .0 .8=.018
\end{aligned}
$$

Percent to Decimal

$$
\begin{aligned}
50 \% & =.5 \\
3 \% & =.03 \\
3.5 \% & =.035
\end{aligned}
$$

*How do we calculate unit rates? We get the denominator to 1 .
example

$$
\left.\begin{array}{rl}
\frac{10}{2} & =\text { a unit rate of } \Longrightarrow \frac{5}{1} \geq 2 \text { photos } \\
\text { dollar }
\end{array}\right)
$$

How do we compare rates?
We get them to a unit ruse then Compare them.
$\begin{aligned} &(\text { (a) Shirts } \\ & \frac{36}{3}=\frac{12}{1} \\ & \frac{60}{6}=\frac{10}{6} .\end{aligned}\left\{\begin{array}{l}\frac{42}{7} \frac{\text { flowers. }}{\text { base }}=\frac{6}{1} \\ \frac{54}{9} \frac{\text { flowers. }}{\text { vase }}=\frac{1}{1} \\ \text { Comparing rates from a word problem }\end{array}\right.$
(1) Set up ratio
(3) Calculate unit rate
(3) Compare to answer question
$\underset{\log e^{2}}{C} 2^{a}$

$$
\begin{aligned}
& \frac{10 \text { bracelets }}{2 \text { friends }}=\text { unit rate of }=\frac{2 \text { bracelets }}{1} \\
& \frac{12 \text { bracelets }}{4 \text { friends }}=4 \text { unit rate of }=\frac{3}{1} \text { bracelets }
\end{aligned}
$$

(1) Set up ratios

$$
\begin{aligned}
& \frac{270 \text { calories }}{3 \text { serving } \div 3 \pi}=\frac{90}{1 \text { serving }} \\
& \begin{aligned}
450 \text { calories } & \div \text { serving }
\end{aligned} \div \frac{90}{1 \text { serving }}
\end{aligned}
$$

(2) Calculate Unit Rates

unit Rate
Q 230

$$
\begin{aligned}
& \frac{24}{3} \frac{\div 3}{\text { dollars }}=\frac{8 \text { dollars }}{\text { west }} \\
& \frac{452}{7 w k_{s}}=\frac{1}{1}=\frac{1}{1} \\
& \% 7 " \\
& \begin{array}{cc}
\frac{7.428}{52.0000} & \text { Money } \\
\frac{491}{30} \\
\frac{28}{28} \\
20
\end{array} \quad \frac{7.43}{1 \mathrm{wks}}
\end{aligned}
$$

