

WarmUp: 3-4 Review

1/9

5%  
1) Which is greater,  $\frac{1}{25}$  or 5%

20%  
2) Express 0.2 as a percent

65%  
3) Express  $\frac{13}{20}$  as a percent

0.08  
4) Express 8% as a decimal

80%  
5) If there are 20 houses on a block and 4 of them are tan, what percent are not tan?

# Notes: 3-5 Finding Percents

1/9/09

Find 1% of 235

↓  
multiply

$$1\% \cdot 235 \rightarrow \text{could do w/ calculator}$$

$$0.01 \cdot 235 \rightarrow \text{by converting 1\% to a decimal, we can now solve w/o a calculator}$$

$$\begin{array}{r} 235 \\ \times 0.01 \text{ 2L} \\ \hline 235 \\ 000X \\ +000XX \\ \hline 002.35 \text{ 2L} \end{array}$$

So, 1% of 235 is 2.35

Many ways to solve (3 shown here)

25% of 32

① Convert % to decimal

$$\begin{array}{l} 25\% \text{ of } 32 \rightarrow 32 \\ 25\% \cdot 32 \rightarrow 0.25 \cdot 32 \text{ 2L} \\ 0.25 \cdot 32 \rightarrow \begin{array}{r} 0.25 \\ \times 32 \\ \hline 160 \\ 64 \\ \hline 8.00 \text{ 2L} \end{array} \end{array}$$

⑧

② Convert % to fraction

25% of 32

$$25\% \cdot 32$$

$$\frac{25}{100} \rightarrow \frac{1}{4}$$

$$\frac{1}{4} \cdot 32$$

$$\begin{array}{|c|c|c|c|} \hline 8 & 8 & 8 & 8 \\ \hline \end{array}$$

32

25% of 32 is 8

③  $\frac{\text{is}}{\text{of}} = \frac{\%}{100}$  ex  $\frac{x}{32} = \frac{25}{100}$   
→ cross multiply & solve

Notes: 3-5 cent.

1/9/09

Try This:

① Find 20% of 75

② 10% of 90

HW: ① Quiz Tuesday on lessons  
3-1 to 3-5

② p 106 # 15, 16  
p 109 # 4, 5, 6  
p 113 # 25, 26  
p 116 # 16, 24  
p 122 # 18, 23