

1. Change percentages to decimals by moving the decimal two places to the left. Example: 7.5%  $\rightarrow$  .075

a. 6%  $\rightarrow$

c. 2.9%  $\rightarrow$

b. 28%  $\rightarrow$

d. 16.2%  $\rightarrow$

2. Calculate percentages of numbers. Round your answers to the nearest cent (\$0.01). Example: 6% of \$1,200 =  $.06 \cdot \$1,200 = \$72$

a. 3% of \$28,500 =

c. 8% of \$52,300 =

b. 6.5% of \$17,000 =

d. 15% of \$22,715 =

3. Javier is a short-order cook in a diner. He earns \$10.11 per hour. He works 80 hours per month and receives a monthly allowance of \$25 for his uniforms. His friend, Alexander, is also a short-order cook in a different diner. Alexander earns \$10.85 per hour and also works 80 hours per month. Alexander receives a monthly allowance of \$15 for his uniforms, but has to pay labor union dues of \$17.15 per month. Whose job has a higher annual value?

4. Olivia is a land surveyor who earns \$56,700 annually. She receives a monthly cell phone allowance of \$22.50. She spends about \$55 per month out of her own pocket for fuel to drive to different work sites. She has received a job offer for an office-based position as a survey analyst. It pays an annual base salary of \$62,370. However, she will need to join the municipal workers labor union with dues of \$11.55 per month. She will also have to pay \$45 per month to park in the city garage. Which job has the higher annual value?
  
5. Amir is a coal miner who earns \$21.94 per hour and works 40 hours per week. His recently negotiated labor contract will give him a 6.5% raise. How much more gross pay per week will Amir have after this raise?
  
6. Belinda works as a pharmacy technician in a nursing home. She earns \$14.10 per hour and works 40 hours per week. She just received a 4.75% raise. How much higher will belinda's gross pay per week be because of this raise?
  
7. Nathaniel is an insurance underwriter. He earns \$31.45 per hour, is paid weekly, and works 40 hours per week. Nathaniel pays 5.3% in state income tax. He will receive a 5.25% raise. Determine the change in Nathaniel's net pay per paycheck.