

# Basic Math Calculations

1. Convert the following percent to decimal numbers, and the decimals to percent.

1. 3% $0.03$	8. 0.06% $0.0006$
2. 345% $3.45$	9. 0.003 $0.3\%$
3. 3 $300\%$	10. 11.73 $1173\%$
4. 4.6% $0.046$	11. 1.6 $160\%$
5. 0.45% $0.0045$	12. 0.15 $15\%$
6. 23 $2300\%$	13. 0.2 $20\%$
7. 2000% $20$	14. 0.50 $50\%$

2. John pays 29% of his annual income in taxes. If his annual income is \$39,000, how much does he pay in taxes?

$$\begin{array}{r} 29 \\ \times 390 \\ \hline 2610 \\ 870 \\ \hline 11310 \end{array}$$

$11,310$

3. A restaurant charged \$9.00 plus a service charge for a meal. Find the total charged for a group of two couples if the service charge was 12%.  $10,08$

4. If \$6.00 is 2% of an amount, what is 1%?  $\$3,00$

5. If \$24.00 is 8% of an amount, find 1%.  $\$3,00$

6. If 40 liters = 8%, find 1%.  $5 \text{ liters}$

7. If \$0.70 = 20%, find 32%.

$$\begin{array}{r} 0.035 \\ \times 0.32 \\ \hline 0.0056 \\ 0.0105 \\ \hline 0.01120 \end{array}$$

8. A restaurant charges \$12.00 + VAT at 17.5% for a bottle of wine. Calculate the total price paid by the customer for this bottle of wine.  $\$14.11$

9. A caterer prices a dinner for 20 guests at \$188 (inclusive of VAT at 17.5%). Calculate the amount retained by the caterer and the amount sent to the government.  $166$

10. A menu showed the price of a meal at \$9.40 (inclusive of VAT at 17.5%). Find the amount of money that will be retained by the catering establishment.

$8.03$

