

## A cost-of-living adjustment is

A merit increase is

salary\_and\_notes.pdf - 368 - Sat Dec 03 2016 16:37:16

Sometimes a business will offer a cost-of-living adjustment as a raise to help keep up with inflation. A merit increase is a raise based on the quality of an employee.

New Salary = Present Salary + Cost-of-Living Adjustment + Merit Increase

| Job Title  | Present Salary | Cost-of-Living Increase | Merit Increase | New Salary  |
|------------|----------------|-------------------------|----------------|-------------|
| Clerk      | \$25,352       | \$1,014.08              | \$2,814.07     | \$29,180.15 |
| Manager    | 32,615         | 1,304.60                | 2,935.35       | 36,854.95   |
| Programmer | 33,461         | 1,338.44                | 3,245.72       | 38,200.42   |
| Accountant | 46,554         | 1,862.16                | 5,214.05       | 53,630.21   |

For which job title above is the new salary miscalculated?

- a. Clerk  
b. Accountant  
c. Manager  
d. Programmer

The formula to calculate a new salary after adjustments is as follows:

salary\_and\_notes.pdf - 408 - Sat Dec 03 2016 16:38:10

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| Job Title  | Present Salary | Cost-of-Living Increase | Merit Increase | New Salary  |
|------------|----------------|-------------------------|----------------|-------------|
| Clerk      | \$20,184       | \$1,049.57              | \$2,058.77     | \$23,292.34 |
| Manager    | 36,543         | 1,900.24                | 3,581.21       | 40,956.27   |
| Programmer | 35,535         | 1,847.82                | 3,269.22       | 40,652.04   |
| Accountant | 39,610         | 2,059.72                | 4,006.61       | 45,670.33   |

For which job title above is the new salary miscalculated?

- a. Manager  
b. Accountant  
c. Programmer  
d. Clerk

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$$\% \text{ of Cost of Living} = \frac{\text{Cost-of-Living Increase}}{\text{Present Salary}}$$

| Job Title  | Present Salary | Cost-of-Living Increase | Merit Increase | New Salary  |
|------------|----------------|-------------------------|----------------|-------------|
| Clerk      | \$29,082       | \$959.71                | \$3,053.61     | \$33,095.32 |
| Manager    | 39,820         | 1,314.06                | 4,778.40       | 45,912.46   |
| Programmer | 36,965         | 1,219.85                | 3,696.50       | 41,881.35   |
| Accountant | 42,955         | 1,417.52                | 4,123.68       | 48,496.20   |

What is the percentage for the cost of living increase of the manager?

- a. 3.8%  
b. 1.6%  
c. 5.7%  
d. 3.3%

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| Job Title  | Present Salary | Cost-of-Living Increase | Merit Increase | New Salary  |
|------------|----------------|-------------------------|----------------|-------------|
| Clerk      | \$22,503       |                         | \$2,092.78     | \$24,405.89 |
| Manager    | 37,961         | \$1,366.60              |                | 43,882.92   |
| Programmer | 31,267         |                         | 3,064.17       | 35,456.78   |
| Accountant | 36,727         | 1,322.17                |                | 42,162.59   |

For which job title is missing the amount of \$4,113.42 in the table above?

- a. Manager  
b. Accountant  
c. Clerk  
d. Programmer

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New Salary = Present Salary + Cost-of-Living Adjustment + Merit Increase

| Job Title  | Present Salary | Cost-of-Living Increase | Merit Increase | New Salary  |
|------------|----------------|-------------------------|----------------|-------------|
| Clerk      | \$23,953       |                         | \$2,706.69     | \$27,138.75 |
| Manager    | 38,588         |                         | 4,553.38       | 43,913.14   |
| Programmer | 30,209         |                         | 2,718.81       | 33,531.99   |
| Accountant | 48,914         |                         | 4,989.23       | 54,881.51   |

For which job title is the cost-of-living increase \$978.28?

- a. Manager  
b. Accountant  
c. Programmer  
d. Clerk

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Marty Rodriguez is an analyst at Atari. His present salary is \$52,722. Next month he will receive a 1.2 percent cost-of-living increase and a 5.6 percent merit increase based on the present salary. What will be Marty's new salary? Express your answer as a dollar amount to the nearest cent.