ASSIGNMENT 1 PROGRAMMING TECHNIQUE 1 (SECJ1013) SECTION 07, SEM 1 (2024/2025)

Type of calculator: Percent Off Calculator

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home / financial / percent off calculator

Percent Off Calculator

Please provide two values below to calculate.

Modify the values and click the Calculate button to use				
Original price	\$39.99			
Percent off	15 %			
Final price	\$			
Saved	\$			
Has stackable additional discount?				
○ No ○ Yes				
Calculate Clear				

A percent off of a product or service is a common discount format. A percent off of a product means that the price of the product is reduced by that percent. For example, given a product that costs \$279, 20% off of that product would mean subtracting 20% of the original price from the original price. For example:

You would therefore be saving \$55.80 on the purchase for a final price of \$223.20.

For this calculator, a "stackable additional discount" means getting a further percent off of a product after a discount is applied. Using the same example, assume that the 20% discount is a discount applied by the store to the product. If you have a coupon for another 15% off, the 15% off would then be applied to the discounted price of \$223.20. It is not a total of 35% off of the original price. It is less:

Thus, with a 20% discount off of \$279, and an additional 15% off of that discounted price, you would end up saving a total of:

This equates to a 32% discount, rather than a 35% discount, and this calculation is how the calculator is intended to be used. As an example, to more efficiently compute the discount described above:

Final price =
$$(0.80 \times 279) \times 0.85 = $189.72$$

This is because 80% of the original price is the same as subtracting 20% of the original price from the original price. The same is true for 85% and 15% case applied to the discounted price.

