

The markdown is

A sale price is

The markdown rate is



Stores frequently sell their products at reduced amounts known as sale prices. The markdown or discount is the amount below the regular price. The formula for calculating the markdown and sale price is shown below:

$$\begin{aligned} \text{Markdown} &= \text{Regular Selling Price} - \text{Sale Price} \\ \text{Markdown} &= \text{Markdown Rate} \times \text{Regular Selling Price} \\ \text{Sale Price} &= \text{Regular Selling Price} - \text{Markdown} \end{aligned}$$

Lanmont Martinez went to a book store that was having a sale, and their prices were marked down 23 percent. What was the total sale price of four books that regularly sell for \$14.66, \$13.87, \$9.13, and \$9.95? Express your answer as a dollar amount rounded to the nearest cent.

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Alyssa Arnold went to Massive McGregor's Emporium in March when there was a 31 percent off sale throughout the store. She decided to buy a swing for \$90.15 and a set of utensils for \$8.96. What was the total sale price of Alyssa's purchase? Express your answer as a dollar amount rounded to the nearest cent.

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Keith Gonzalez went to Big Billy's Emporium in December when there was a sale throughout the store. He decided to buy a table for \$154.94 and a set of utensils for \$9.89. What was the percent discount if Keith's purchase amount was \$128.57? Express your answer to the nearest whole percent.

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Lamont James went to Big Billy's Emporium in May when there was a sale throughout the store. He decided to buy a swing for \$185.64 and a set of tools for \$8.22. What was the percent discount if Lamont's purchase amount was \$168.66? Express your answer to the nearest whole percent.

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Keith Gatling went to a book store that was having a sale. He bought four books that regularly sell for \$14.35, \$18.74, \$13.70, and \$15.06. If Keith spent \$54.43 on all four books, what is the percent of the discount to the nearest percent?