

**Markdown Rate****Numeric Response**

1. 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 markdown rate is shown below:

$$\text{Markdown} = \text{Regular Selling Price} - \text{Sale Price}$$

$$\text{Markdown\_Rate} = \frac{\text{Markdown}}{\text{Regular\_Selling\_Price}}$$

Alyssa Gonzalez went to a book store that was having a sale. Alyssa paid a total of \$46.14 for four books that regularly sell for \$11.29, \$19.59, \$12.30, and \$16.74. What is the markdown rate? Express your answer to the nearest percent.

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Keith Martinez went to the local Shop-2-Save and saw a list of discounts in the sales flyer. What is the markdown rate for the plaid scarf? Express your answer to the nearest percent.

Original Price	Item	Sale Price
\$3.68	Plaid Scarf	\$2.47
3.57	Peach Salad	3.14
4.18	Pumice Soap	3.64
3.67	Pasta Sauce	3.16

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Alyssa Gatling went to the local Get'n Grab and saw a list of discounts in the sales flyer. If the markdown rate should be 31% for all items, which item number has an error in its sale price?

Original Price	Item #	Sale Price
\$3.78	1	\$2.61
2.66	2	1.84
4.33	3	2.99
3.59	4	2.51

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Marvin Gonzalez saw an ad in the local paper for the Evil Emporium. There was a sale with an oak chair that was marked down \$48 to a sale price of \$110.19. What is the markdown rate? Express your answer to the nearest percent.

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Lamont Gatling went to a book store that was having a sale. Lamont paid a total of \$35.58 for four books that regularly sell for \$12.63, \$9.53, \$10.46, and \$14.19. What is the markdown rate? Express your answer to the nearest percent.

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Bertha James went to the local Megalo-Rama and saw a list of discounts in the sales flyer. What is the markdown rate for the plaid scarf? Express your answer to the nearest percent.

Original Price	Item	Sale Price
\$3.53	Plaid Scarf	\$2.37
3.97	Peach Salad	2.98
4.37	Pumice Soap	3.54
2.65	Pasta Sauce	2.04

7. 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 markdown rate is shown below:

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Lamont Gonzalez went to the local Evil Emporium and saw a list of discounts in the sales flyer. If the markdown rate should be 18% for all items, which item number has an error in its sale price?

Original Price	Item #	Sale Price
\$5.27	1	\$4.32
3.27	2	2.68
4.21	3	3.45
2.52	4	2.04

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$$\text{Markdown} = \text{Regular Selling Price} - \text{Sale Price}$$

$$\text{Markdown\_Rate} = \frac{\text{Markdown}}{\text{Regular\_Selling\_Price}}$$

Bertha Gonzalez saw an ad in the local paper for the Shop-2-Save. There was a sale with an oak bookshelf that was marked down \$18 to a sale price of \$149.52. What is the markdown rate? Express your answer to the nearest percent.

**Markdown Rate  
Answer Section**

**NUMERIC RESPONSE**

1. ANS: 23

PTS: 1

2. ANS: 33

PTS: 1

3. ANS: 4

PTS: 1

4. ANS: 30

PTS: 1

5. ANS: 24

PTS: 1

6. ANS: 33

PTS: 1

7. ANS: 4

PTS: 1

8. ANS: 11

PTS: 1

