# Double Discounts

## Procedure

Hand out the student activity sheet. Students will need calculators.

Review computing percentages. (Example: Discount is $29.99 x 15% = $4.50; Sale Price = $29.99 minus $4.50 = $25.49; Percent of Saving = total discount ($4.50 + $5.10) divided by Original Price ($29.99) = 32%

Questions 9–15 ask students to compare discounts to find the better deal.

## Answers

| Original Price | Sale | Discount | Sale Price | Additional 20% Off | New Price | % Savings Off |
|---|---|---|---|---|---|---|
| 1. $29.99 | 15% | $4.50 | $25.49 | $5.10 | $20.39 | 32% |
| 2. $179.99 | 25% | $44.98 | $134.99 | $27.00 | $107.99 | 40% |
| 3. $489.99 | 50% | $245.00 | $244.99 | $49.00 | $195.99 | 60% |
| 4. $74.99 | 30% | $22.50 | $52.49 | $10.50 | $41.99 | 44% |
| 5. $159.98 | 50% | $79.99 | $79.99 | $16.00 | $63.99 | 60% |
| 6. $25.00 | 75% | $18.75 | $6.25 | $1.25 | $5.00 | 80% |
| 7. $15.79 | 40% | $6.32 | $9.47 | $1.89 | $7.58 | 52% |

8. People usually add the two percentages up. For example, in the first problem, 15% + 20% = 35% off. However, the percent of savings is actually less, in this case 32% savings.

9. $50 item: 45% off = $27.50; 30% then 20% = $28; 45% off is the better deal.

10. $345 item: 40% off = $138; 30% then 15% = $139.72; 30% off then 15% is the better deal.

11. $39.99 item: 50% off = $20; 40% off then 20% =$19.19; 40% off then 20% off is the better deal.

12. 50% off is the better deal because you will spend $4.00. If you buy one, get one at half price, you spend $6.00 per item.

13. $5.99 per item

14. It is a way to get the consumer to purchase more quantities and increase their profit.

15. Always be sure you need the item and that you are not purchasing it just because it is a good deal. Also, make sure you have the money because little things add up quickly even when they are on sale.

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## Complete This Chart

| Original Price | Sale | Discount | Sale Price | Additional 20% Off | New Price | % Savings Off |
|---|---|---|---|---|---|---|
| 1. $29.99 | 15% | $4.50 | $25.49 | $5.10 | $20.39 | 32% |
| 2. $179.99 | 25% | _____ | _____ | _____ | _____ | _____ |
| 3. $489.99 | 50% | _____ | _____ | _____ | _____ | _____ |
| 4. $74.99 | 30% | _____ | _____ | _____ | _____ | _____ |
| 5. $159.98 | _____ | _____ | $79.99 | _____ | _____ | _____ |
| 6. _____ | 75% | $18.75 | _____ | _____ | _____ | _____ |
| 7. $15.79 | _____ | $6.32 | _____ | _____ | _____ | _____ |

8.  What do you notice about the percent of savings in the examples above when you have a double sale? What do most people think they are getting for a savings?

9.  Which is a better deal on a $50 item: 45% off original price or 30% off and additional 20% off at the register?

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10. Which is a better deal on a $345 item: 40% off original price or 30% off and additional 15% at the register?

11. Which is a better deal on a $39.99 item: 50% off original price or 40% off and additional 20% at the register?

12. Which is a better deal on a $7.99 item: 50% off or  buy one, get one at half price.?

13. What is the price per item if you purchase an $8.99 product at "Buy two, get one free"?

14. Why do stores offer sales such as buy one, get one at half price or buy two, get one free?

15. What do you have to be cautious of before purchasing anything that is on sale?