

Practice 6-9 Markup and Discount

Find each sale price. Round to the nearest cent where necessary.

	Regular Price	Percent of Discount	Sale Price
1.	\$46	25%	
2.	\$35.45	15%	
3.	\$174	40%	
4.	\$1.40	30%	
5.	\$87	50%	
6.	\$675	20%	

Find each selling price. Round to the nearest cent where necessary.

	Cost	Percent Markup	Selling Price
7.	\$5.50	75%	
8.	\$25	50%	
9.	\$170	85%	
10.	\$159.99	70%	
11.	\$12.65	90%	
12.	\$739	20%	

13. A company buys a sweater for \$14 and marks it up 90%. It later discounts the sweater 25%.

a. Find the selling price of the sweater after markup.

b. How much was the discount?

c. Find the sale price after the discount.

d. The company's profit on the sweater can be found by subtracting the final selling price minus the cost. What was the company's profit on the sweater?

e. The profit was what percent of the cost?

Practice

EXERCISES

For more exercises, see *Extra Practice*.

Practice and Problem Solving

A Practice by Example For Exercises 1–5, find each markup.

Example 1
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- | | |
|---------------------------------------------|-----------------------------------------|
| 1. cost: \$1.50
percent of markup: 70% | 2. cost: \$38
percent of markup: 58% |
| 3. cost: \$111.00
percent of markup: 50% | 4. cost: \$18
percent of markup: 35% |

5. **Beach Gear** A beach store pays \$11.40 for each beach umbrella. The store's percent of markup is 75%.

Example 2
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For Exercises 6–10, find each selling price.

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|----------------------------------------------|--------------------------------------------|
| 6. cost: \$6
percent of markup: 75% | 7. cost: \$2.66
percent of markup: 50% |
| 8. cost: \$149.99
percent of markup: 100% | 9. cost: \$67.20
percent of markup: 10% |

10. **Clothing** A clothing store pays \$15 for a shirt. The percent of markup is 85%.

Example 3
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For Exercises 11–15, find each discount and sale price.

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|------------------------------------------------------|--------------------------------------------------------|
| 11. regular price: \$100
percent of discount: 27% | 12. regular price: \$24.50
percent of discount: 20% |
| 13. regular price: \$700
percent of discount: 30% | 14. regular price: \$8.49
percent of discount: 5% |

15. **Footwear** Boots, regularly \$125, are on sale for 30% off.

B Apply Your Skills

Find each selling price. Where necessary, round to the nearest cent.

- | | |
|------------------------------------------------------|--------------------------------------------------------|
| 16. regular price: \$180
percent of discount: 40% | 17. regular price: \$14.99
percent of discount: 15% |
| 18. cost: \$9.99
percent of markup: 60% | 19. cost: \$15
percent of markup: 15% |

20. **Shopping** An \$11 shirt is on sale for 10% off.
a. Describe two different methods of finding the sale price.
b. Use one of the methods to find the sale price.

21. **Video Sales** Store A is selling a video for 20% off the store's regular price of \$25.95. Store B is selling the same video for 30% off the store's regular price of \$29.50. Which store's sale price is lower? How much lower is it?

22. **Writing in Math** Identical sweaters are on sale in two different stores. The sale price in Store A is 30% off the regular price of \$25. The sale price in Store B is 40% off the regular price of \$30. Which sweater is the better buy? Explain.