

Lesson
5.5**Review & Refresh**

1. The bill at a department store is \$145. There is a 15% discount when you check out. Find the final price.

Identify the percent of change as increase or decrease. Then find the percent of change. Round to the nearest tenth of a percent if necessary.

2. 36 inches to 40 inches
3. 150 pounds to 120 pounds
4. The sun was out 21 out of 30 days in April. Write and solve a proportion to find the percent of sunny days.

Write and solve a percent equation to answer the question.

5. 0.3% of 10 is what number?
6. What percent of 90 is 50?
7. A store pays \$25 for a book. Find the selling price with a 40% markup.

Write and solve a proportion to answer the question.

8. 75 is 125% of what number?
9. 2.5% of 0.25 is what number?
10. You run a 100-yard dash in 16.5 seconds in the spring and 14.8 seconds in the fall. Find the percent of change.
11. A 3-gallon container of juice is 70% full. Write and solve a percent equation to find the number of gallons left.

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Review & Refresh (continued)

Find the sale price.

- 12. Original price: \$75, discount: 10%
- 13. Original price: \$200, discount: 45%
- 14. The estimated weight of a suitcase was 45 kilograms. The actual weight is 48 kilograms. Find the percent error.

Find the selling price.

- 15. Cost to store: \$20, markup: 125%
- 16. Cost to store: \$210, markup: 30%
- 17. You answered 35 out of 40 questions correctly in a game. Write and solve a percent equation to find the number percent questions correct.

Find the original price.

- 18. Sale price: \$18, discount: 10%
- 19. Sale price: \$56, discount: 30%

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Self-Assessment

Use the scale to rate your understanding of the learning target and the success criteria.

- 1** I don't understand yet.
- 2** I can do it with help.
- 3** I can do it on my own.
- 4** I can teach someone else.

	Rating	Date
5.5 Discounts and Markups		
Learning Target: Solve percent problems involving discounts and markups.	1 2 3 4	
I can use percent models to solve problems involving discounts and markups.	1 2 3 4	
I can write and solve equations to solve problems involving discounts and markups.	1 2 3 4	