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 is 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.

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.

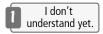
Find the original price.

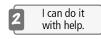
- **18.** Sale price: \$18, discount: 10%
- **19.** Sale price: \$56, discount: 30%

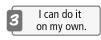


Self-Assessment

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







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4	I can teach		
	someone else.		

		Rat	ting	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			