## Unit 8 Lesson 11 Cumulative Practice Problems

1. Compare the weights of the backpacks for the students in these three classes.
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1. A bookstore has marked down the price for all the books in a certain series by 15%.
	1. How much is the discount on a book that normally costs $18.00?
	2. After the discount, how much would the book cost?
* (From Unit 4, Lesson 11.)
1. Match each expression in the first list with an equivalent expression from the second list.
	1. $6(x+2y)−2(y−2x)$
	2. $2.5(2x+4y)−5(4y−x)$
	3. $4(5x−3y)−10x+6y$
	4. $5.5(x+y)−2(x+y)+6.5(x+y)$
	5. $7.9(5x+3y)−4.2(5x+3y)−1.7(5x+3y)$
	6. $10(x−y)$
	7. $10(x+y)$
	8. $10x+6y$
	9. $10x−6y$
* (From Unit 6, Lesson 22.)
1. Angles $C$ and $D$ are complementary. The ratio of the measure of Angle $C$ to the measure of Angle $D$ is $2:3$. Find the measure of each angle. Explain or show your reasoning.
* (From Unit 7, Lesson 2.)



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