### Lesson 12 Practice Problems

1. A backpack normally costs $25 but it is on sale for $21. What percentage is the discount?

* (From Unit 4, Lesson 12.)

1. Find each product.

* (From Unit 5, Lesson 9.)

1. Select **all** expressions that show increased by 35%.
2. Complete each sentence with the word *discount*, *deposit*, or *withdrawal*.
   1. Clare took $20 out of her bank account. She made a \_\_\_\_\_.
   2. Kiran used a coupon when he bought a pair of shoes. He got a \_\_\_\_\_.
   3. Priya put $20 into her bank account. She made a \_\_\_\_\_.
   4. Lin paid less than usual for a pack of gum because it was on sale. She got a \_\_\_\_\_.

* (From Unit 4, Lesson 11.)

1. Here are two stories:
   * The initial freshman class at a college is 10% smaller than last year’s class. But then during the first week of classes, 20 more students enroll. There are then 830 students in the freshman class.
   * A store reduces the price of a computer by $20. Then during a 10% off sale, a customer pays $830.

* Here are two equations:
  1. Decide which equation represents each story.
  2. Explain why one equation has parentheses and the other doesn’t.
  3. Solve each equation, and explain what the solution means in the situation.



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