2-10 Think About a Plan

Change Expressed as a Percent

Student Discounts You show your student identification at a local restaurant in order to receive a 5% discount. You spend $12 for your meal at the restaurant. How much would your meal cost without the discount?

Understanding the Problem

1. What information are you given in the problem? What are you looking to find?

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2. Does this question represent an amount of increase or an amount of decrease? In general, how is the amount of increase or decrease determined?

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Planning the Solution

3. What formula can you use to determine the solution?

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4. Substitute values from the problem into your formula using *x* for the unknown value.

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Getting an Answer

5. Solve for the unknown value.

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6. Check your answer.

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7. Is your answer reasonable? Explain.

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