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## 25% Sale

This problem gives you the chance to:

- work with percentage increase and decrease
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In a sale, all the prices are reduced by 25%.



1. Julie sees a jacket that cost \$32 before the sale.  
How much does it cost in the sale?

\$ \_\_\_\_\_

Show your calculations.

In the second week of the sale, the prices are reduced by 25% of the previous week's price.  
In the third week of the sale, the prices are again reduced by 25% of the previous week's price.  
In the fourth week of the sale, the prices are again reduced by 25% of the previous week's price.

2. Julie thinks this will mean that the prices will be reduced to \$0 after the four reductions because  $4 \times 25\% = 100\%$ .

Explain why Julie is wrong.

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3. If Julie is able to buy her jacket after the four reductions, how much will she have to pay?

\$ \_\_\_\_\_

Show your calculations.

4. Julie buys her jacket after the four reductions.  
What percentage of the original price does she save?

\_\_\_\_\_ %

Show your calculations.

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