

Percent of Decrease

To find the current value or amount, first multiply the original amount by the percent of decrease. Then subtract.

EXAMPLE: Last year's sales figure at Klaus Clothiers was \$850,000. This year the total sales figure decreased by 3%. What was this year's sales figure?

original figure	\$ 8 5 0,0 0 0	
percent of decrease	× 0.0 3	
amount of decrease	<u>\$ 2 5,5 0 0.0 0</u>	

original figure	\$ 8 5 0,0 0 0
amount of decrease	<u>− 2 5,5 0 0</u>
new sales figure	\$ 8 2 4,5 0 0

This year's sales figure at Klaus Clothiers was \$824,500.

Solve the problems which follow.

1. Bernard bought a used car last year for \$3,500. It is now worth 25% less (decrease). How much is it worth now?

Answer _____

2. Many stores sell cooked hams. A cook will tell you that a ham shrinks (decreases) while cooking. If a 16-pound ham loses $12\frac{1}{2}\%$ while cooking, how much will it weigh after it is cooked?

Answer _____

3. Strawberries decrease, too, when cooked. If they decrease 15%, how much would remain if you started with 16 quarts?

Answer _____

4. Last month our utility bill was \$98. This month shows a decrease of $12\frac{1}{2}\%$. How much is this month's bill?

Answer _____

5. The storekeeper decreased by 20% the price of a coat which had been marked \$85. What was the sale price?

Answer _____

6. Last year we had a total rainfall of 9.6 inches. This year there has been a decrease of 25%. How much is this year's fall of rain?

Answer _____

7. The last census shows that the town of Millers has decreased 10% in population. If the previous census figure was 2,400, what is the figure now?

Answer _____

8. Yolanda Gonzales did business last year to the amount of \$24,500. This year business has fallen off 15%. To how much will this year's business amount?

Answer _____