Percent of Increase

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

EXAMPLE: The rent for a 1-bedroom apartment was $275 per month. This year the rent went up 4%. How much is the apartment renting for this year?

original amount	$275	original amount	$275
percent of increase	× 0.04	amount of increase	+ 11
amount of increase	$11.00	current rent	$286

The apartment is renting for $286 this year.

Solve.

1. The federal census shows that one of the nation's fastest-growing cities has increased 92% from its previous population of 256,000. What is the new population figure?

   Answer ______________

2. Arthur Hodgson is a salesman and works on commission. Last year he sold $245,000 in merchandise. This year he did 20% more business. How much did he sell this year?

   Answer ______________

3. Cassy Burleson was making $96.40 a day and was given a 10% increase. How much does she get with the increase?

   Answer ______________

4. This year Mr. Ogilvie, a salesman, increased his sales by 20% over last year. He sold $22,500 worth of merchandise last year. How much did he sell this year?

   Answer ______________

5. The census for a year ago showed that Podunk had a population of 1,640. This year's census shows an increase of $12\frac{1}{2}$%. What is the population figure for this year?

   Answer ______________

6. A farmer averaged 40 bushels of potatoes to the acre on unfertilized ground. This year he has used a fertilizer which is guaranteed to double the production rate. How many bushels to the acre should he raise this year? (Hint: Double means 200 percent.)

   Answer ______________

7. Raul Garcia did 250% more business during the past month than he did the month before, when he did $2,650 worth of business. How much did he do last month?

   Answer ______________

8. Karen grows tomatoes. This year she produced 300 pounds. She plans to increase production by 20%. How many pounds will she produce after the increase?

   Answer ______________