## Chapter 4 Summary

Section Objectives

Make a table showing exponential growth.

Draw a graph showing exponential growth.

Find an exponential growth rate.

## How does it apply to you?

You can analyze a quantity that increases by the same percent each time period. (See Examples 1 and 2.)

You can visualize exponential growth. (See Examples 3 and 4.)

You can determine by what percent a quantity is increasing. (See Examples 5 and 6.)
Use a consumer price index.

| Use a graph to interpret a describe the change in prices for consumer goods |
| :--- |
| consumer price index. |
| over time. (See Examples 1 and 2.) |


| Compare inflation to the value of visualize the trends in a consumer price index over |
| :--- |
| the dollar. |

You can understand the relationship between inflation and the
value of the dollar. (See Examples 5 and 6. .)
Make a table and graph showing
exponential decay.
Use straight-line depreciation.

| Use double declining-balance |
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| depreciation. |
| same amount each year. (See Examples 1 and 2.) |


| Use sum of the years-digits |
| :--- |
| depreciation. |

an item by the same percent each year. (See Examples 3
and 4.)

