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SIMPLE INTEREST
VS

## COMPOUND INTEREST



Note:
www.getsmarteraboutmoney.com has an online interactive compound interest calculator.

## Simple and Compound Interest Questions:

1. How much interest would you earn on an $\$ 8,000.00$ deposit with an annual interest rate of 5 percent with simple interest over six years? The first calculation has been done for you.

|  | Beginning of the Year | During the Year | End of the Year |
| :--- | :--- | :--- | :--- |
| Year 1 | $\$ 8,000$ | $+(5 \%$ of $\$ 8,000=\$ 400)$ | $\$ 8,400$ |
| Year 2 | $\$ 8,400.00$ |  |  |
| Year 3 |  |  |  |
| Year 4 |  |  |  |
| Year 5 |  |  |  |
| Year 6 |  |  |  |

2. If the same $\$ 8000.00$ is compounded annually for six years at $5 \%$ interest, how much would you earn?

|  | Beginning of the Year | During the Year | End of the Year |
| :--- | :--- | :--- | :--- |
| Year 1 | $\$ 8,000$ | $+(5 \%$ of $\$ 8,000=\$ 400)$ | $\$ 8,400$ |
| Year 2 | $\$ 8,400.00$ |  |  |
| Year 3 |  |  |  |
| Year 4 |  |  |  |
| Year 5 |  |  |  |
| Year 6 |  |  |  |

3. For each year, calculate the difference between simple and compound interest.

| Year 1 |  |
| :--- | :--- |
| Year 2 |  |
| Year 3 |  |
| Year 4 |  |
| Year 5 |  |
| Year 6 |  |

