**SIMPLE AND COMPOUND INTEREST ASSIGNMENT**

1. Angela has $2000 and wants to invest it for 3 years, at an interest rate of 4.1%.
2. Complete the chart to determine the amount of her investment after 3 years, if she receives **simple interest**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Principal** | **Rate** | **Time** | **Interest** | **Amount** |
|  |  |  |  |  |

What is the amount of Angela’s investment after 3 years with simple interest?

1. Complete the chart to determine the amount of her investment after 3 years if she receives **compound interest**.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Starting Amount** | **Rate** | **Time** | **Interest** | **Amount** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |

What is the amount of Angela’s investment after 3 years with compound interest?

1. Angela now has $5000 which she would like to invest for her retirement. She invests it for 25 years, with an interest rate of 12.5%. Use the **compound interest formula** to determine the amount of her investment after 25 years.