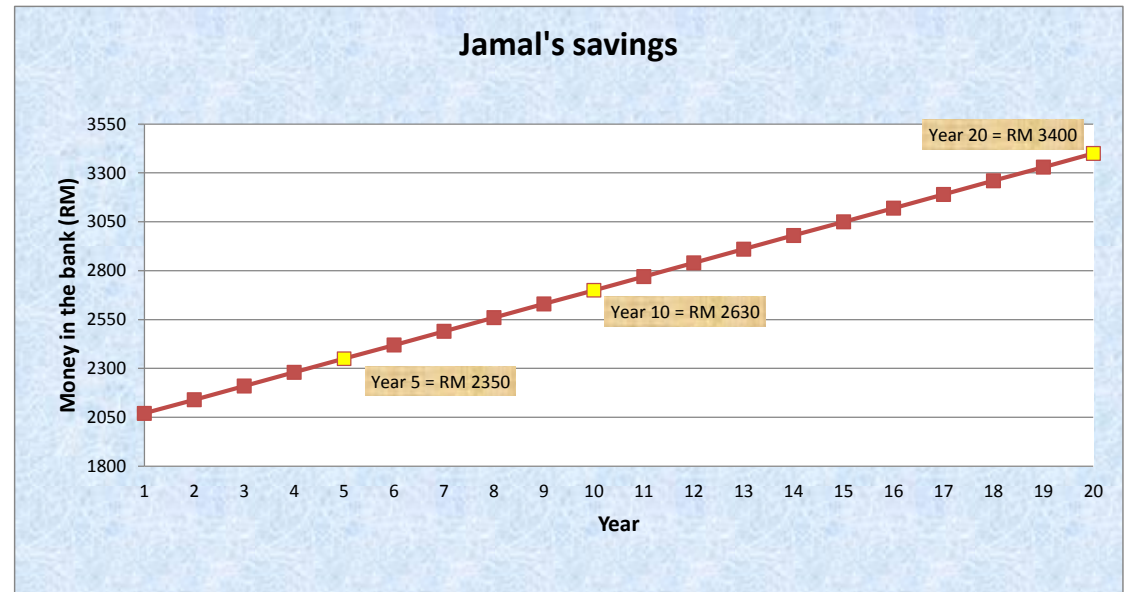


### Exploration 1:

Jamal opens a savings account with RM 2,000.00 as the principal amount with 3.5% interest rate. If the bank calculates simple interest, how much money will Jamal have after 5 years, 10 years, and 20 years.

| Year | Original Principal (RM) | Interest rate | Interest earned each year | Money in bank (RM) |
|------|-------------------------|---------------|---------------------------|--------------------|
| 1    | 2000                    | 0.035         | 70                        | 2070               |
| 2    | 2000                    | 0.035         | 140                       | 2140               |
| 3    | 2000                    | 0.035         | 210                       | 2210               |
| 4    | 2000                    | 0.035         | 280                       | 2280               |
| 5    | 2000                    | 0.035         | 350                       | 2350               |
| 6    | 2000                    | 0.035         | 420                       | 2420               |
| 7    | 2000                    | 0.035         | 490                       | 2490               |
| 8    | 2000                    | 0.035         | 560                       | 2560               |
| 9    | 2000                    | 0.035         | 630                       | 2630               |
| 10   | 2000                    | 0.035         | 700                       | 2700               |
| 11   | 2000                    | 0.035         | 770                       | 2770               |
| 12   | 2000                    | 0.035         | 840                       | 2840               |
| 13   | 2000                    | 0.035         | 910                       | 2910               |
| 14   | 2000                    | 0.035         | 980                       | 2980               |
| 15   | 2000                    | 0.035         | 1050                      | 3050               |
| 16   | 2000                    | 0.035         | 1120                      | 3120               |
| 17   | 2000                    | 0.035         | 1190                      | 3190               |
| 18   | 2000                    | 0.035         | 1260                      | 3260               |
| 19   | 2000                    | 0.035         | 1330                      | 3330               |
| 20   | 2000                    | 0.035         | 1400                      | 3400               |



Jamal will earn RM 70 in interest each year and he will have:

RM 2,350 after 5 years

RM 2,700 after 10 years

RM 3,400 after 20 years



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by Nor Alisa Mohd Damanhuri  
<http://ocw.ump.edu.my/course/view.php?id=440>