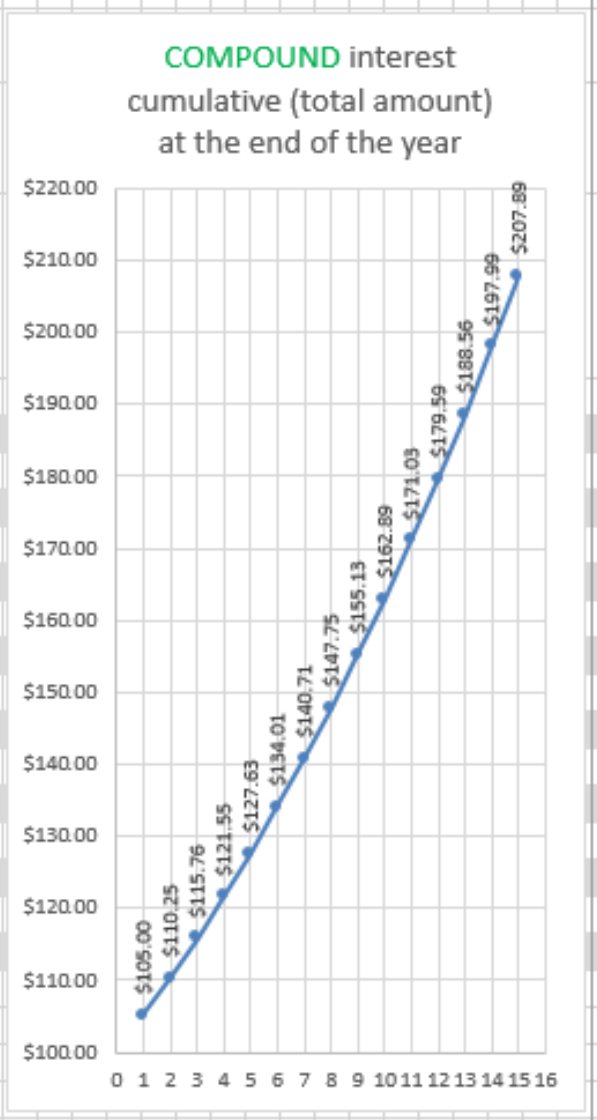


This book has permission to use the "N&K method of COLORS".

Examples: Interest rates; COMPOUND Interest

For **Compound** Interest, compounded annually, the **amount** at the **END** of the year "x", becomes the **amount** on which the compound interest for the year "x+1" is calculated, and so on.

6	Principal amount	\$100.00			
7	COMPOUND Interest Rate	5.00%			
8	amount on which the interest is calculated	year #	interest rate for the year	interest earned for the year	cumulative (total amount) at the end of the year
10	\$100.00	1	5.00%	\$5.00	\$105.00
11	\$105.00	2	5.00%	\$5.25	\$110.25
12	\$110.25	3	5.00%	\$5.51	\$115.76
13	\$115.76	4	5.00%	\$5.79	\$121.55
14	\$121.55	5	5.00%	\$6.08	\$127.63
15	\$127.63	6	5.00%	\$6.38	\$134.01
16	\$134.01	7	5.00%	\$6.70	\$140.71
17	\$140.71	8	5.00%	\$7.04	\$147.75
18	\$147.75	9	5.00%	\$7.39	\$155.13
19	\$155.13	10	5.00%	\$7.76	\$162.89
20	\$162.89	11	5.00%	\$8.14	\$171.03
21	\$171.03	12	5.00%	\$8.55	\$179.59
22	\$179.59	13	5.00%	\$8.98	\$188.56
23	\$188.56	14	5.00%	\$9.43	\$197.99
24	\$197.99	15	5.00%	\$9.90	\$207.89



with COMPOUND interest

TOTAL after 15 years

= Prncpl Amt × { [1 + (intrst rate)] ^ (# of yrs) }

= \$100.00 × { [1 + (5%)] ^ (15) }

= \$100.00 × { [1 + (5×(1/100))] ^ (15) }

= \$100.00 × { [1 + (0.05)] ^ (15) }

= \$100.00 × { 1.05 ^ 15 }

= \$100.00 × { 2.0789 }

= \$207.89