Compound Interest **RULE OF 72**





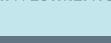
Money makes money. And the money that money makes, makes money. – Ben Franklin

on your interest—you can use the

Rule of 72 to approximate how long it will take for an

investment to double at a given interest rate - USEFUL FOR -









HOW TO 72

YEARS TO INTEREST DOUBLE RATE

Divide the rule number (72) by the annual interest rate (R) to find out the approximate time (T) required for doubling



of 72 only applies to compound interest, not to simple interest calculations

2%

3%

The Rule



COMPARING THE MATH

functions to find the accurate doubling time, the Rule of 72 is useful for mental calculations or when only a basic calculator is available

Although scientific calculators and spreadsheet programs have

Rule of 72 Interest rate Actual years 72.00 1% 69.66

35.00

23,45

36.00

24.00

This table illustrates just how close the Rule of 72 is to the actual doubling time

378	23.73	2 1.00
4%	17.67	18.00
5%	14.21	14.40
6%	11.90	12.00
7%	10.24	10.29
8%	9.01	9.00
9%	8.04	8.00
10%	7.27	7.20
11%	6.64	6.55
12%	6.12	6.00
DOUBLING IN ACTION		
Here are some interest rates to compare— as you can see, modest increases in rates		

have a dramatic effect on the doubling time

6%

\$10,000

12%

\$10,000

\$20,000

\$40,000

\$80,000

3%

\$10,000

In times of \$20,000 12 historically

1.5%

\$10,000

low interest

rates, it's



compound interest-the longer you wait to



Years

0

6

18

24

30

36

42

48

get started, the less interest you'll earn.

INVESTING CAN BE RISKY Not all investments are guaranteed some investments carry the risk of losing



money, even when made through a financial advisor or financial institution



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