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 -







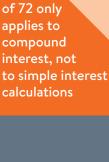
HOW TO 72



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





2%

3%

The Rule



COMPARING THE MATH

Although scientific calculators and spreadsheet programs have functions to find the accurate doubling time, the Rule of 72 is useful for mental calculations or when only a basic calculator is available

Interest rate Rule of 72 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

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		

In times of \$20,000 12 historically low interest 18 rates, it's

3%

\$10,000

6%

\$10,000

\$160,000

12%

\$10,000

\$20,000

\$40,000

\$80,000

\$1,280,000

\$2,560,000

\$160,000 \$20,000 \$40,000 especially important \$320,000 to start investing \$80,000 \$640,000 early

\$40,000

Years

0

6

24

30

36

42

48

1.5%

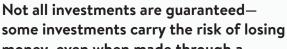
\$10,000

\$20,000

Use the Rule of 72 to estimate your potential savings. Time is money when it comes to

THE TAKEAWAY

compound interest—the longer you wait to get started, the less interest you'll earn.



INVESTING CAN BE RISKY

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

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