



How Long to Double Your Money? A Simple Equation May Provide the Answer

Learning the Rule of 72 gives you a simple guide for how long it could take to grow your investments.

In a world in which the value of a dollar seems to shrink each day, wouldn't it be nice to have a quick, easy-to-understand rule of thumb that calculates the time needed to double your money?

Say hello to the Rule of 72. Even for investors who aren't particularly fond of math, it's hard to beat the Rule of 72 for its sheer simplicity.

Here's the formula:

Years to double your money = $72 \div$ assumed rate of return.

Consider: You've got \$10,000 to invest and you hope to earn 8% over time. Just divide 72 by 8—which equals 9. Now you know it'll take approximately 9 years to grow your \$10,000 to \$20,000.

A lower assumed rate of return adds years to the timetable while a higher rate does the opposite.

Of course, the denominator in this simple equation represents an assumption about the rate you expect to earn. Your actual rate of return will likely vary significantly (unless you have a crystal ball!) since markets are unpredictable.

That said, if you're trying to decide whether to invest in stocks, bonds, or cash, you can use the Rule of 72 to see how long it could take to potentially double your money using historical returns (FIGURE 1 and FIGURE 2).

Along with using the Rule of 72, your financial professional can help you choose a mix of investments that potentially offer the best chance of meeting your investment goals.

FIGURE 1
Rule of 72 in Action: The Higher the Return, the Sooner Your Investment Could Double



For illustrative purposes only. The chart above represents a set of possible investment-doubling time periods resulting from a series of hypothetical rates of return. Each time period was derived by dividing the corresponding rate of return by 72. Higher potential returns are associated with higher risk. Source: Hartford Funds.

FIGURE 2

It's a Matter of Time: Some Asset Classes Have Taken Longer to Double an Investment Than Others

Stocks vs. bonds vs. money-market funds vs. certificates of deposit (based on average rates over the past 25 years)

US Equities ¹	US Fixed Income ²	CDs ³	Money Markets ⁴
7.64%	3.97%	2.16%	1.61%
9 years to double	18 years to double	33 years to double	45 years to double

Past performance does not guarantee future results. Indices are unmanaged and not available for investment. For illustrative purposes only.

¹ US equities are represented by the S&P 500 Index, a market capitalization-weighted price index composed of 500 widely held common stocks.

² US fixed income is represented by the Bloomberg US Aggregate Bond Index, which is composed of securities from the Bloomberg Government/Credit Bond Index, Mortgage-Backed Securities Index, Asset-Backed Securities Index, and Commercial Mortgage-Backed Securities Index. Source: Hartford Funds.

³ Source: Bloomberg. CD rates are proxied by Bankrate.com's 12-month CD national average. CDs, like all deposit accounts, have FDIC insurance up to the \$250,000 legal limit.

⁴ Money markets are mutual-fund money markets using the *US Fund Money Market—Taxable* Morningstar category.

Talk to your financial professional to help stay focused on meeting your long-term financial goals.

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