
1. Straight Line Depreciation

You buy a new car for \$24,000 that loses all marketable value in 15 years.

What will it be worth on the day you pay it off in 5 years?

2. Straight Line Depreciation

You buy a 5 year old used car for \$13,062.50. This particular model has historically lost all marketable value in 16 years.

Assuming that it has depreciated at a constant rate and will continue to do so, what was the price of this car when it was new?

3. Exponential Depreciation: Value of a car in x years.

New: \$18,500

Depreciation Rate: 12%

Q: How much is the car worth in 5 years?

4. Exponential Depreciation: What was the original value of my car?

Value Now: \$10,700
Depreciation Rate: 13%
Current age: 5 years

Q: What did my car sell for when it was new?

5. Exponential Depreciation: Finding the depreciation rate

New: \$21,500
Now: \$13,400
Current age of car: 5 years

Q: What is the depreciation Rate?

6. Exponential Depreciation: Dude! How old is my car?

New: \$17,000
Now: \$12,000
Depreciation Rate: 8%

Q: How old is my car?

7. Monthly Payment with Exponential Depreciation

You purchased a \$20,000 car 3 years ago. The sales tax was 6.1%. You did not have a trade-in or make a downpayment. You financed it over 5 years at 6% interest. This car depreciates at a rate of 7%.

As of today, how does the value of the car compare to how much you owe on it?
