

## A Trillion Here...A Trillion There

A light-year is nearly 9.5 trillion kilometers. This is an unbelievably large number that is so huge, no one can possibly comprehend just how large it is compared to a walk to the local store, or a drive to Grandma's! Even by astronomical standards, astronomers rarely work with numbers this large. The total number of stars in the Milky Way is 'only' measured in the billions. The distance to the farthest reaches of the visible universe is 'only' 14 billion light years. Let's bring this huge number 'one trillion' down to Earth by looking at the 2006-2007 finances of the United States and the world.

### US Statistics for 134 million taxpayers:

1...Federal Income Tax revenue	\$ 2.2 trillion.
2...Federal Government expenses	\$ 2.6 trillion.
3...The Gross Domestic Product (National wealth)	\$12.9 trillion
4...Consumer debt (credit cards, loans etc)	\$ 2.5 trillion
5...Total Mortgage debt (commercial and residential)	\$ 6.5 trillion
6...Total federal debt (including unfunded programs)	\$59.1 trillion
7...External debt owed to other countries	\$16.3 trillion
8...Total retirement assets (401k, private pensions, etc)	\$16.1 trillion
9...Annual income for US taxpayers	\$ 7.4 trillion

### World Statistics for 6 billion people:

10...Gross World Product	\$65.8 trillion
11...Debt to World banking	\$40.0 trillion
12...Value of all the shares on all the world stock markets	\$66.6 trillion
13...Yearly exports	\$ 6.6 trillion
14... Insurance premiums (life and non-life)	\$ 3.7 trillion
15...Assets of 9.5 million wealthiest individuals.	\$37.2 trillion

Problem 1 - What was the average Gross Domestic Product wealth for each US taxpayer?

Problem 2 - What was the average consumer debt for each US Taxpayer?

Problem 3 - About how much mortgage debt does each US taxpayer have?

Problem 4 - What is the total federal debt for each taxpayer including unfunded programs (like Social Security and Medicaid)?

Problem 5 - What percentage of the taxpayer annual income is paid in the federal Income Tax each year?

Problem 6 - What percentage of the world's wealth (Gross World Product) is the US wealth?

Problem 7 - About how much money does each taxpayer have in retirement assets in the US?

Problem 8 - Comparing the US taxes to the US government expenses, how much debt does the US generate each year?

Problem 9 - What is the average wealth per person in the world?

Problem 10 - What percentage of the world population includes the richest individuals?

Problem 11 - What is the average wealth of the non-richest individuals?

**Answer Key:**US Statistics for 134 million taxpayers:

1...Federal Income Tax revenue	\$ 2.2 trillion.
2...Federal Government expenses	\$ 2.6 trillion.
3...The Gross Domestic Product (National wealth)	\$12.9 trillion
4...Consumer debt (credit cards, loans etc)	\$ 2.5 trillion
5...Total Mortgage debt (commercial and residential)	\$ 6.5 trillion
6...Total federal debt (including unfunded programs)	\$59.1 trillion
7...External debt owed to other countries	\$16.3 trillion
8...Total retirement assets (401k, private pensions, etc)	\$16.1 trillion
9...Annual income for US taxpayers	\$ 7.4 trillion

World Statistics for 6 billion people:

10...Gross World Product	\$65.8 trillion
11...Debt to World banking	\$40.0 trillion
12...Value of all the shares on all the world stock markets	\$66.6 trillion
13...Yearly exports	\$ 6.6 trillion
14... Insurance premiums (life and non-life)	\$ 3.7 trillion
15...Assets of 9.5 million wealthiest individuals.	\$37.2 trillion

Problem 1 - What was the average Gross Domestic Product wealth for each US taxpayer?

**Answer: \$12.9 trillion/134 million = \$12,900,000 million/134 million = \$96,300.**

Problem 2 - What was the average consumer debt for each US Taxpayer?

**Answer: \$2.5 trillion/134 million = \$2,500,000 million/134 million = \$18,600**

Problem 3 - About how much mortgage debt does each US taxpayer have?

**Answer: \$6.5 trillion/134 million = \$6,500,000 million/134 million = \$48,500**

Problem 4 - What is the total federal debt for each taxpayer including unfunded programs (like Social Security and Medicaid)?

**Answer: \$59.1 trillion/134 million = \$59,100,000 million/134 million = \$441,000**

Problem 5 - What percentage of the taxpayer annual income is paid in the federal Income Tax each year?

**Answer: (\$2.2 trillion / \$7.4 trillion) x 100% = 29.7%**

Problem 6 - What percentage of the world's wealth (Gross World Product) is the US wealth?

**Answer: ( \$12.9 trillion / \$65.8 trillion) x 100% = 19.6 %**

Problem 7 - About how much money does each taxpayer have in retirement assets in the US?

**Answer: \$16.1 trillion / 134 million = \$16,100,000 million/134 million = \$120,000**

Problem 8 - Comparing the US taxes to the US government expenses, how much debt does the US generate each year?

**Answer: \$2.2 trillion - \$2.6 trillion = \$0.4 trillion or \$400 billion**

Problem 9 - What is the average wealth per person in the world?

**Answer: \$65.8 trillion / 6 billion = \$65,800 billion/6 billion = \$11,000 per person**

Problem 10 - What percentage of the world population includes the richest individuals?

**Answer: ( 9.5 million / 6 billion) x 100% = 0.16 %**

Problem 11 - About what is the average wealth of the non-richest individuals?

**Answer: ( \$65.8 trillion - \$37.2 trillion) / 6 billion people = \$4,700 per person**