**What is Income Tax and National Insurance?**

*Income Tax* is a tax paid on income. This tax on paid on things like money earnt from employment, profits made from self-employment, benefits from a job, rental income and many others.

*National Insurance* is, very loosely, another form of income tax. Your national insurance contributions enable you to qualify for some state benefits and the *State Pension*.

Most people pay income tax and national insurance contributions through a system called Pay As You Earn (known as PAYE). This is where your employer makes deductions on your behalf before they pay your wages or pension.

Most people in the UK get a *Personal Allowance* of tax-free income. This is the amount of income you can have before you pay tax. There are currently (2022/23) three different rates of income tax that are applied to different bands of income.

**Income Tax (PAYE) limits 2022/23**

|  |  |  |  |
| --- | --- | --- | --- |
| Personal Allowance | Basic Rate | Higher Rate | Additional Rate |
| Up to £12,570 | £12,571 - £50,270 | £50,271 - £150,000 | above £150,000 |
| 0% | 20% | 40% | 45% |

1. How much income tax would the people doing the professions below pay and how much money do they *take home*?
2. Secretary, salary = £22,000
3. Nurse, salary = £31,000
4. Engineer, salary = £48,000
5. Dentist, salary = £72,000

**National Insurance limits 2022/23\***

|  |  |  |
| --- | --- | --- |
| Lower Earnings Limit | Upper Earnings Limit | Higher Rate |
| Up to £12,570 | £12,571 - £50,270 | Above £50,270 |
| 0% | 13.25% | 3.25% |

\*Figures are for Nov 2023 onwards

1. How much national insurance would the people doing the professions below pay?
2. Considering income tax and national insurance payments, how much money do they *take home*?
3. Secretary, salary = £22,000
4. Nurse, salary = £31,000
5. Engineer, salary = £48,000
6. Dentist, salary = £72,000

**How Pension payments affect income tax**

Most, or perhaps all, employees make tax free payments towards a pension scheme. These payments are deducted from salaries before tax and national insurance is paid and thereby reduce the amount of income upon which tax and national insurance is due.

Assuming each of the people above pay pension contributions of 10% of their salary…

1. How much do they contribute towards their pension each year?
2. How much tax do they pay now and how does this compare to before?
3. What is their *take home pay* now?

**Can I reduce the amount of tax that I pay?**

Yes and no. Mostly no.

It is possible to marginally reduce the amount of income tax that you pay by reducing the amount of your taxable income. None of these leave you significantly better off however.

* Pay more into your pension
* Make charitable donations
* Take part in employee benefit schemes such as tax-free childcare vouchers, cycle to work scheme or car lease scheme

**Tax Avoidance. vs Tax Evasion**

Tax avoidance through sensible finance planning is legal and sensible

Tax evasion through lying or non-declaration is illegal and naughty

**Links**

* <https://www.gov.uk/guidance/rates-and-thresholds-for-employers-2022-to-2023>
* <https://www.moneyhelper.org.uk/en/work/employment/how-income-tax-and-personal-allowance-works>
* <https://uk.jobted.com/salary>
* <https://www.gov.uk/income-tax>
* <https://www.gov.uk/national-insurance>

**How Income Tax is calculated throughout the tax year**

The UK tax year runs from 6th April to 5th April the following year.

The system by which employers deduct income tax from employee wages via PAYE is really logical and clever.

Consider the following scenarios…

1. The long term, permanent established employee earning £29,600 per year, paid monthly on 5th of each month.
2. The similar, permanent employee also earning £29,600 per year but who gets a £1000 pa pay rise in July and another £1000 pay rise in October. Also paid monthly on 5th of each month.
3. The temporary employee doing holiday work who earns £1300 over Easter (paid on 5th May) then £2600 over the summer holidays (paid £1300 on 5th August and £1300 on 5th September) and £2400 over Christmas holidays (paid on 5th January).

**How National Insurance is calculated throughout the tax year**

The system by which employers deduct national insurance from employee wages via PAYE is not very clever.

NI is due and deducted on each period of payment (weekly, fortnightly, monthly etc.) There is no running total and there are no refunds in subsequent periods if the employee earns less than in previous periods. The temporary (holiday work) employee is likely to pay NI in the months where they work, even though their annual income might fall below the lower earnings limit upon which NI is due..

**Template for Calculating Monthly Income Tax**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 |  | Monthly Income | Likely  Year-Total | Annual  Tax Due | Tax  Already Paid | Tax Due  this Month | Tax Payments  to Date |
| 1 | 5th May |  |  |  |  |  |  |
| 2 | 5th June |  |  |  |  |  |  |
| 3 | 5th July |  |  |  |  |  |  |
| 4 | 5th Aug |  |  |  |  |  |  |
| 5 | 5th Sept |  |  |  |  |  |  |
| 6 | 5th Oct |  |  |  |  |  |  |
| 7 | 5th Nov |  |  |  |  |  |  |
| 8 | 5th Dec |  |  |  |  |  |  |
| 9 | 5th Jan |  |  |  |  |  |  |
| 10 | 5th Feb |  |  |  |  |  |  |
| 11 | 5th Mar |  |  |  |  |  |  |
| 12 | 5th Apr |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |