



Level 3 Certificate

MATHEMATICAL STUDIES

Paper 1

June 2020

Preliminary Material

To be opened and issued to candidates on
Sunday 1 March 2020 or as soon as possible after that date.

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Income Tax and National Insurance 2019–2020

Income tax 2019–2020

Everyone in the UK has a personal allowance. This is their annual amount of tax-free income. The standard personal allowance for 2019–2020 is £12 500

The rates of income tax you pay depend on how much taxable income you have **above** your personal allowance.

Income tax rates and taxable bands 2019–2020

If you earn up to £100 000 per year the following table is used to calculate your rate of tax.

Rates for incomes up to £100 000	Taxable income after allowances
Basic: 20%	up to £37 500
Higher: 40%	over £37 500

To calculate your income tax if your annual income is £100 000 or less

Find your taxable income by subtracting your personal allowance from your annual gross income.

You pay income tax at 20% on the first £37 500 of your taxable income.

You pay income tax at 40% on your taxable income over £37 500

National Insurance (NI) 2019–2020

Percentage NI due	Minimum monthly income	Maximum monthly income	Minimum yearly income	Maximum yearly income
0%		up to £719		£8632
12%	£719.01	£4167	£8632.01	£50 000
2%	above £4167		above £50 000	

Examples

A person who had a monthly income of £1800 paid 12% on the amount above £719

A person who had a yearly income of £62 000 paid 12% on the amount between £8632 and £50 000 plus 2% of the amount above £50 000

Foreign exchange rates (September 2019)

Use this table to convert between currencies.

British Pound	1.00
US Dollar	1.23
Euro	1.12
Indian Rupee	88.51
Australian Dollar	1.80
Mexican Peso	24.12
Canadian Dollar	1.62
Singapore Dollar	1.70
Swiss Franc	1.22
Malaysian Ringgit	5.14
Japanese Yen	132.29
Chinese Yuan	8.76

Turn over ►

Wimbledon Tennis Championships



The Wimbledon Tennis Championships take place every year in July. The world's top tennis players take part in competitions played on outdoor grass courts.

The tournament starts on a Monday and lasts for two weeks, finishing on a Sunday.

Matches are played every day except the middle Sunday.

Wimbledon is a very popular tennis tournament and tickets sell out quickly. The grounds of Wimbledon are large, with a maximum of 39 000 spectators in the grounds at any one time. However, the attendance varies daily depending on the number of courts in play, weather conditions, etc. Also, some people hand in their tickets for reselling if they leave part way through a day. The income from these resold tickets is given to charity.

Spectators are there primarily to watch the tennis, but there are also many retail outlets and food outlets. Traditional food and drink includes Pimm's, scones and strawberries and cream.

In 2018 there were just over 110 000 scones sold and at least 1 in every 3 people bought a portion of strawberries. The price of a portion of strawberries has remained at £2.50 since 2010. The used tennis balls are also sold for charity, and many people buy items with the Wimbledon logo.

END OF PRELIMINARY MATERIAL

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