LaTeX booklet

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Contents

1. *Using the template*

1.1 Compiling

> **Important Note**
> You'll need to use lualatex when you're compiling unless you take out the font changes under *include/structure.tex*

xelatex will probably work too!

1.2 Boxes

The template has 6 different boxes you can use:

- Definition
- Example*
- Note
- Important note
- Further exercises
- Learning outcome
- Theorem
- Law
- Result**

The definition and example boxes are numbered and can have titled added.

*Can be made with and without solution space underneath

**Can be made with and without proof space underneath

1.2.1 Definition box

> **Definition 1   Title**
> Definition here

> **Definition 2**
> Definition here

1.2.2 Example and solution boxes

> **Example 1 Title**
> Example here
>
> ---
> **Solution**

> **Example 2**
> Example here
>
> ---
> **Solution**

> **Example 3 Title**
> Example here
>
> ---
> **Solution**

The example box can also be made separely by using 'examplebox'. The examplebox can also be made with and without a title.

> **Example 4**
> Title Example here

> **Example 5**
> Example here

1.2.3 Note boxes

> **Note** *Note here*

1.2.4 Important note boxes

> **Important Note**
> Important note here

1.2.5 Further exercises

Further Exercises
Further exercises here

1.2.6 Learning outcome

Learning Outcome
Learning outcome here

1.2.7 Theorem

Pythagoras' Theorem

$$a^2 + b^2 = c^2$$

1.2.8 Law

Distributive Law

$$a(b + c) = ab + ac$$

1.2.9 Result

Result

$$(a + b)(a - b) = a^2 - b^2$$

Proof

Result
Resultbox with no proof

1.3 Writing grid

Note *The solutionbox and proofbox is transparent so the gridlines will be visible through the box.*

Example 6 Example	
Solution	

1.4 Cloze

You can add spaces for students to fill in words and choose to show/hide these words (for printing a teacher copy perhaps?). It will also look at what the cut out words are and make sure that an appropriate amount of space is left.

For example ....here........

1.5 Margin notes

Like this.

You can also add marginnotes.

The notes will alternate sides depending on odd/even pages, the margins will also change by 0.5 cm on the left and right to allow slightly more room for marginnotes. This can be disabled by removing 'twoside' from the documentclass.

1.6 Casio calculator keys

How to find the prime factorisation of 63 on your calculator:

[6] [3] [=] [SHIFT] [°'"]