

# Test 004: New theorems, numbering and styles

Emma Cliffe, Skills Centre: MASH, University of Bath

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## Contents

<b>1</b>	<b>Testing some theorem stuff</b>	<b>1</b>
<b>2</b>	<b>Testing the reference link back</b>	<b>4</b>

## **1 Testing some theorem stuff**

### **Definition 1.1.**

Here is a definition

### **Example 1.1.**

Here is an example.

Here is some more boring text in between.

### **Theorem 1.1** (Foo).

Bookdown is needed for things like theorems and internal references

### **Proposition 1.2** (Thingy we need for 1.1).

You can create new theorem types

### **Proof** (Of theorem 1.1).

Here is a proof □

**Proof of theorem 1.1.**    Here is a proof □

### **Proposition 1.3.**

Bookdown is needed for things like theorems and internal references

**Thought 1.1** (Bar of 1.1).

You can create new theorem types

**Defns.**

You can create new unnumbered theorem types

**Nugget 1.2.**

You can create new theorem types

**Example.**

An example

**Solution 1.1.**

You can create new theorem types

**Exercises.**

Here is a question

**Solution.**

Test

## **2 Testing the reference link back**

Now go to theorem 1.1 or thought 1.1

**Solution.**

Test

**Definition 1.1.**

Here is a definition

**Thought 1.1** (Bar of 1.1).

You can create new theorem types

Now an actual new thing:

**Thought 2.1.**

Stuff and nonsense