

# General Test

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# Contents

<b>1</b>	<b>SomeChapter</b>	<b>3</b>
1.1	Some categories . . . . .	3
1.2	SomeSection . . . . .	4
1.3	Testing the group commands . . . . .	4
1.4	Testing chunks . . . . .	5
1.5	Testing code chunks . . . . .	5

# Chapter 1

## SomeChapter

This is dummy text

Example

```
gap> S5 := SymmetricGroup(5);  
Sym( [ 1 .. 5 ] )  
gap> Size(S5);  
120
```

Some text between two examples

Example

```
gap> A5 := AlternatingGroup(5);  
Alt( [ 1 .. 5 ] )  
gap> Size(A5);  
60
```

And we wrap up with some dummy text

### 1.1 Some categories

Intro text

#### 1.1.1 MyThings (for IsObject)

▷ MyThings(*arg*) (filter)  
**Returns:** true or false

#### 1.1.2 MyThingsCollection

▷ MyThingsCollection(*obj*) (filter)  
**Returns:** true or false

#### 1.1.3 MyThingsCollColl

▷ MyThingsCollColl(*obj*) (filter)  
**Returns:** true or false

### 1.1.4 MyThingsCollColl

▷ `MyThingsCollColl(obj)`

(filter)

**Returns:** true or false

Let's wrap up with something, though.

## 1.2 SomeSection

Some test just inside a section.

### 1.2.1 SomeSubsection

This is a subsection!

### 1.2.2 Markdown support

We can use test some markdown features here:

- This is a list item.
  - This is a subitem
  - We can also use math mode here:  $a^2 + b^2 = c^2$ .
- This is *emphasized* text in a list item.
- This is also *emphasized* text in a list item.
- This is `inline code` in a list item.

All of this can *also* be *used* outside of a list.

### 1.2.3 InfoTESTCLASS

▷ `InfoTESTCLASS`

(info class)

An info class

This text will only appear in the  $\LaTeX$  version.

This text will only appear in the  $\LaTeX$  version, too.

## 1.3 Testing the group commands

### 1.3.1 A family of operations

▷ `FirstOperation(arg)`

(operation)

▷ `SecondOperation(arg1, arg2)`

(operation)

▷ `ThirdOperation(arg1, arg2)`

(operation)

First sentence. Second sentence. Third sentence.

## 1.4 Testing chunks

This test comes after the chunk is declared, but before it is inserted. Hello, world. This line is indented!  
The text "Hello, world." is inserted right before this.

## 1.5 Testing code chunks

This test comes after the code chunk is declared, but before it is inserted.

```
Code
Hello, world.
x := 1 + 1;
if x = 2 then
  Print("1 + 1 = 2 holds, all is good\n");
else
  Error("1+1 <> 2");
fi;
```

The text "Hello, world." is inserted right before this.