

# The **NotesPages** Package

## Example File

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**Warning: do not print!**

You would waste over a hundred pages!

An empty page before a new chapter.

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**7 The End**

**95**

# 1 Layout variations

## 1.1 Default settings

First let's start with the default settings. The next three and a half pages are filled with `\notesfill`, `\notespage`, and `\notespages`. The latter will produce two pages, in order to fill up the document to a multiple of 4 pages.

Btw.: In the lower left corner of this page and the next three is a bit of text, put there with `eso-pic`, to check, if the bug from version 0.8 is gone. It's in yellow, so barely visible.

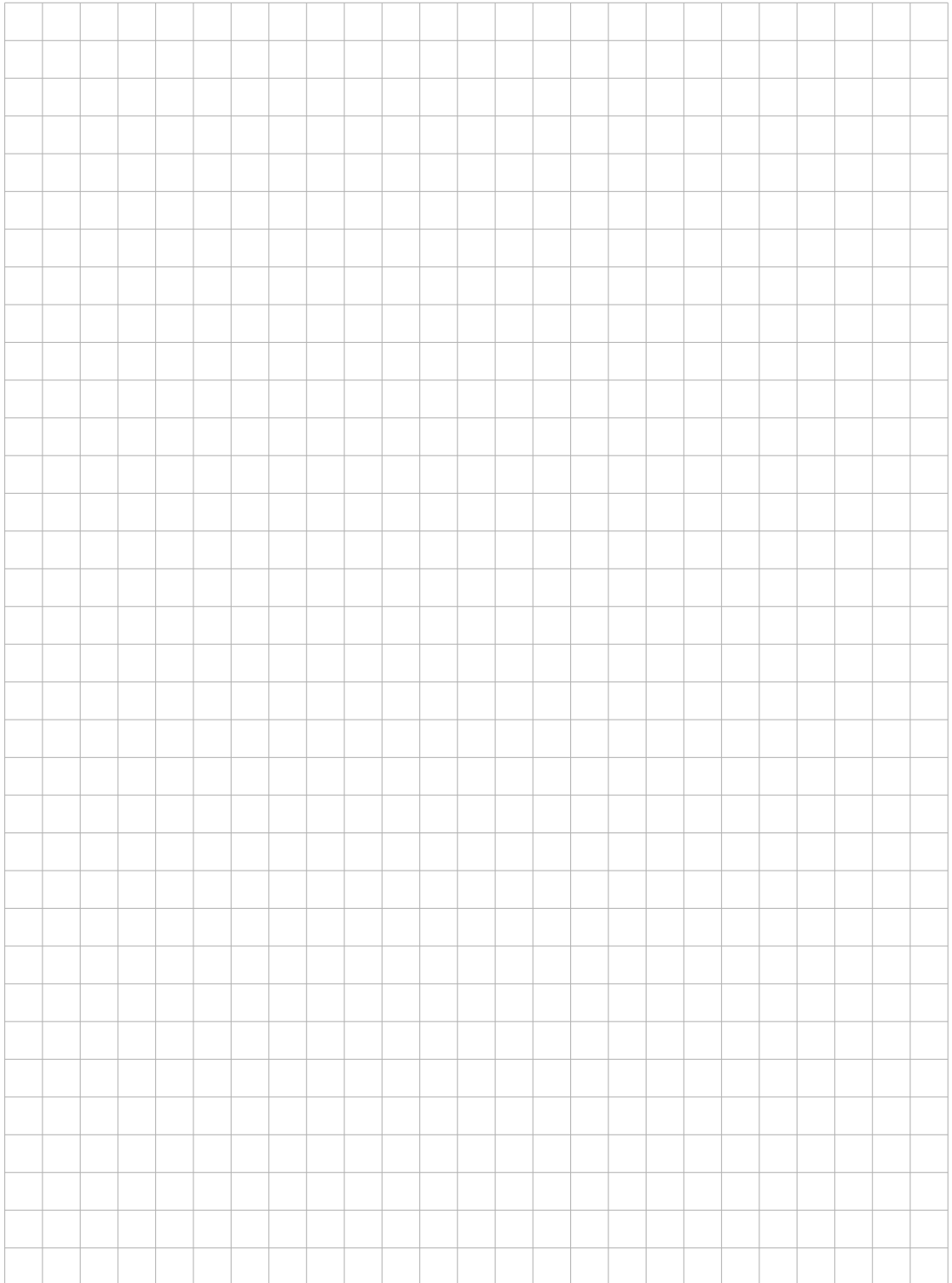
The commands are:

```
\notesfill  
\notespage  
\notespages
```

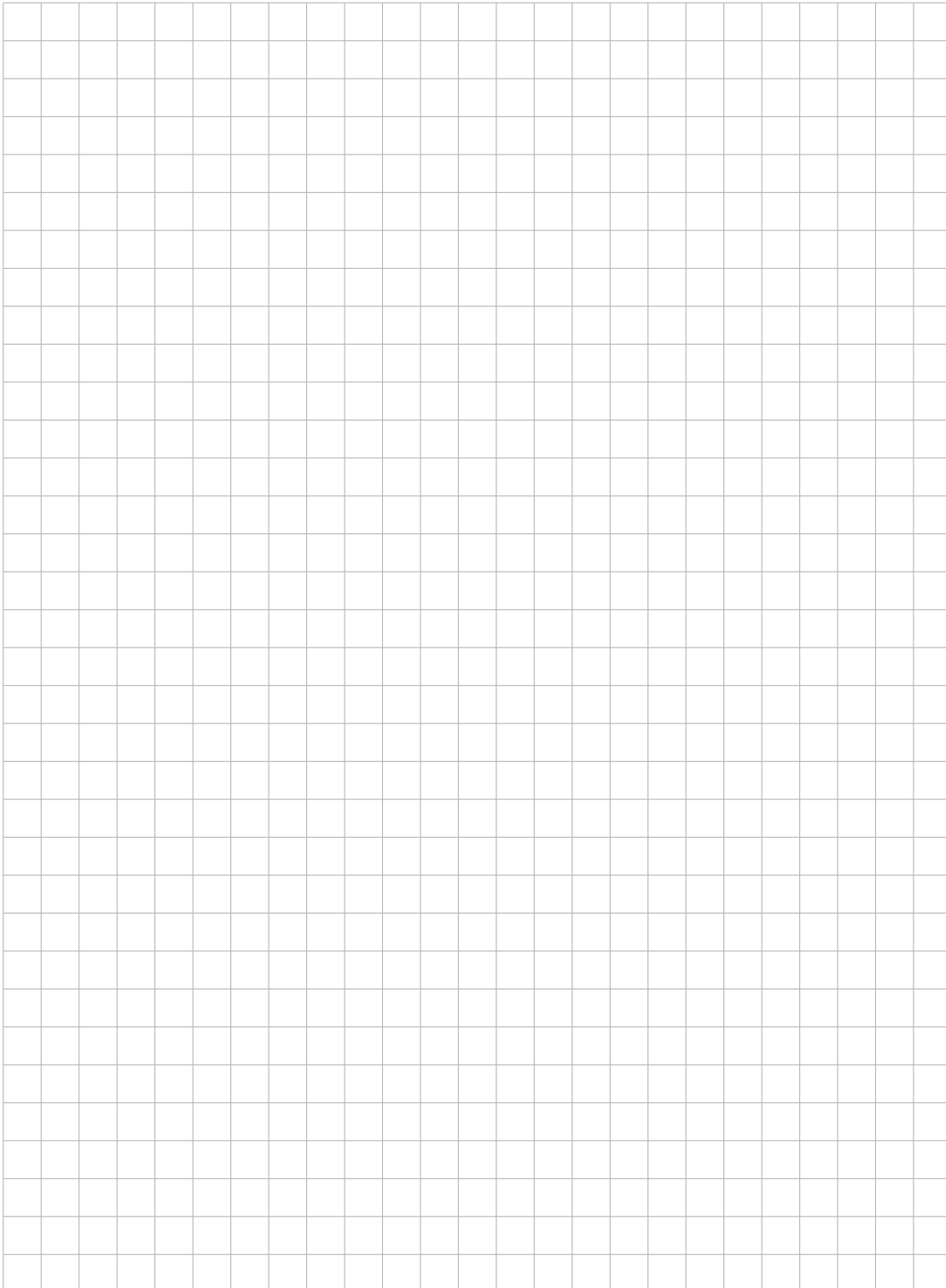
## Notes



## Notes



# Notes



## Notes





## 1.2 The options `startnotes` and `allowfloats`

To show the effect of these options, some text and a float, which doesn't fit on this page, is needed. For the float the positioning `[htb]` was used. After the float `\notespage` was used once.

Test for referencing: [Figure 1.1](#) on [page 10](#).

### Fill it

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

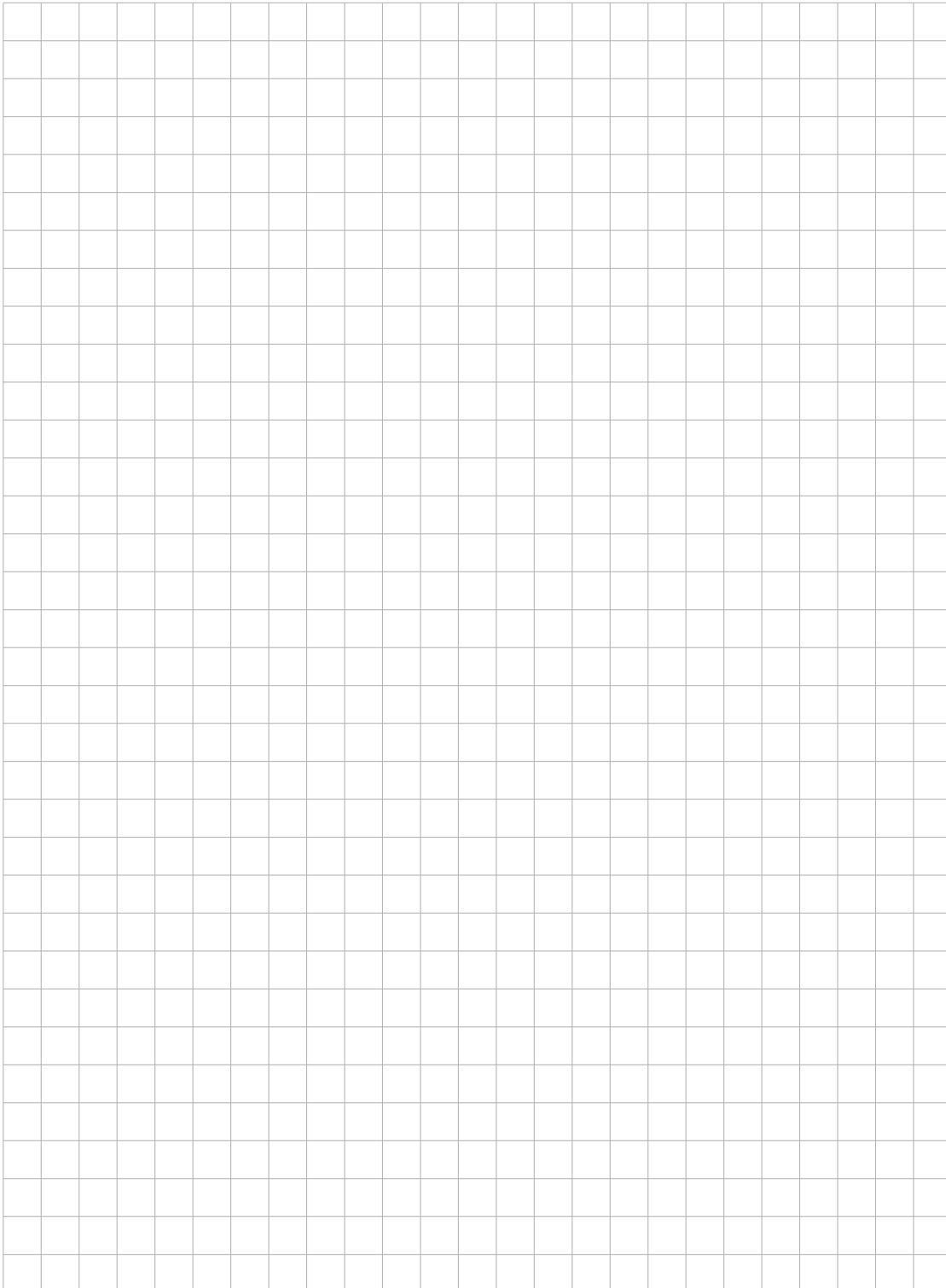
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.



Figure 1.1: Just a rectangle

# Notes



Now let's do this again, but this time using `\notespage[startnotes=newpage]`.  
 Test for referencing: [Figure 1.2](#) on [page 14](#).

### Fill it

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

# Notes

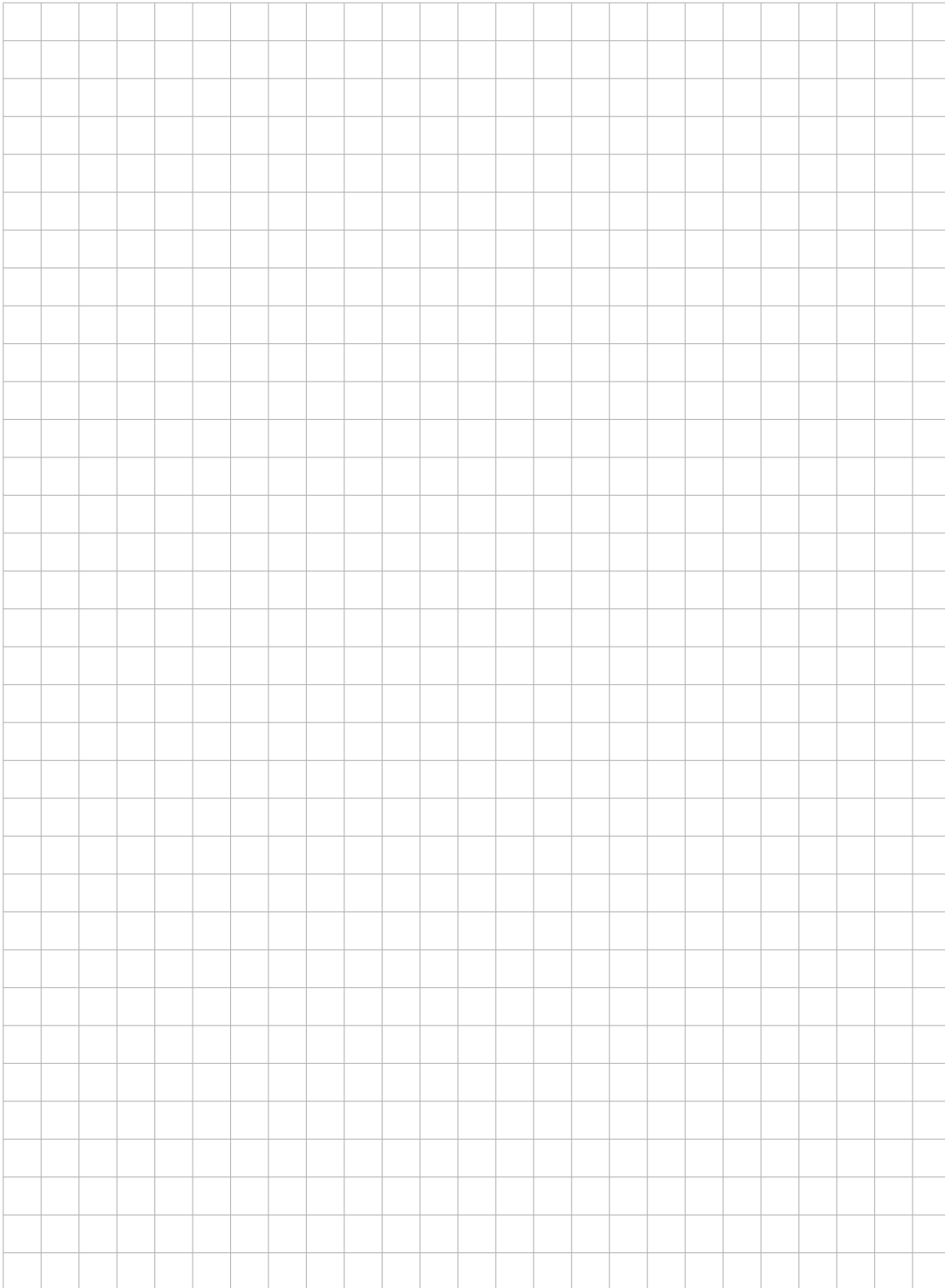




Figure 1.2: Another rectangle

Ok, now lets add the option `allowfloats` and see what happens. This time `\notespages [startnotes=newpage,allowfloats]` is used, filling the document up to page 16. Note: the header is already changed on the next page.

Test for referencing: [Figure 1.3](#) on [page 15](#).



Figure 1.3: A third rectangle

**Notes**



## Notes





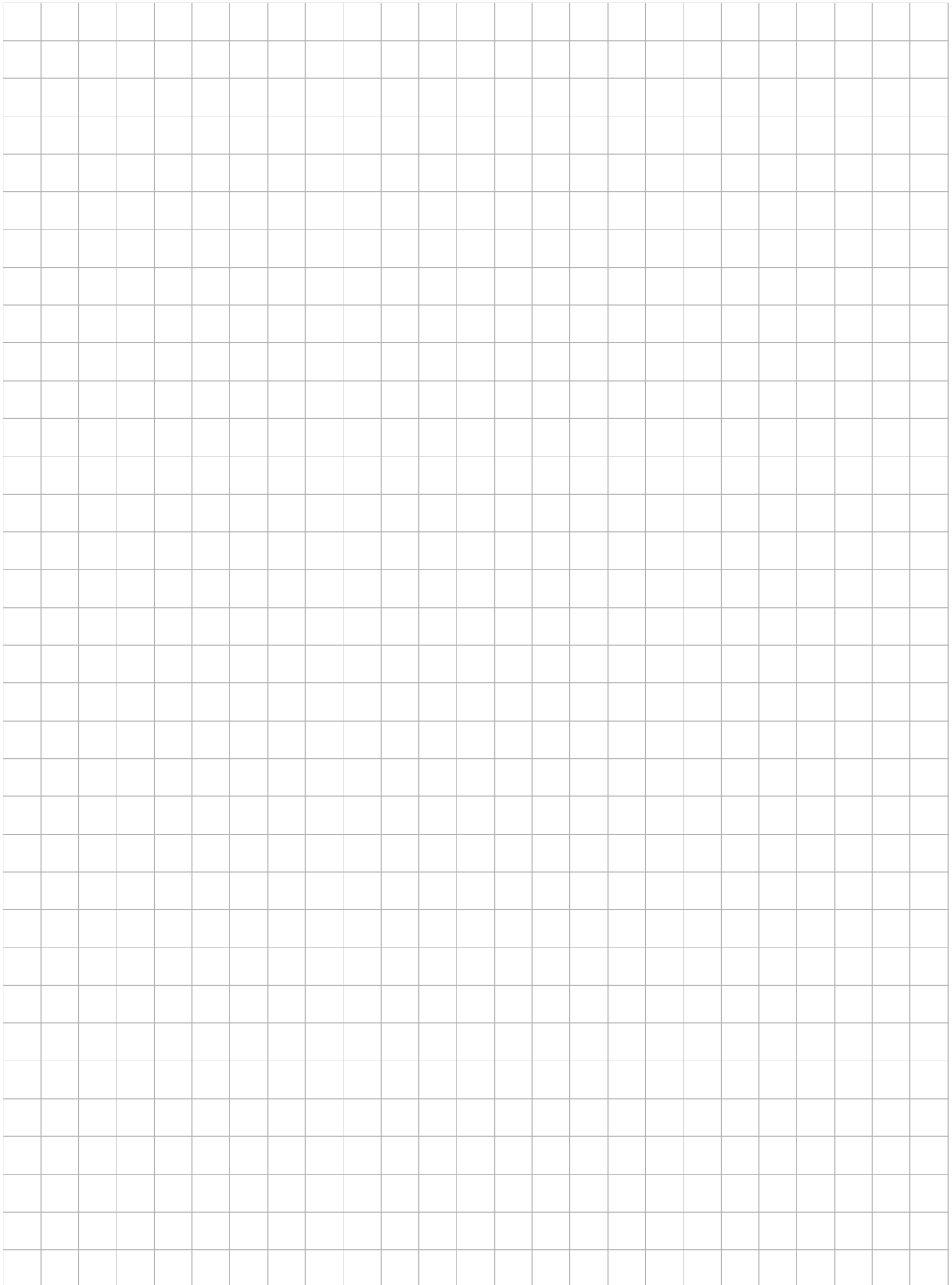
## 1.3 The option pagestyle

The next 3 pages show notes pages with different page styles. The commands are:

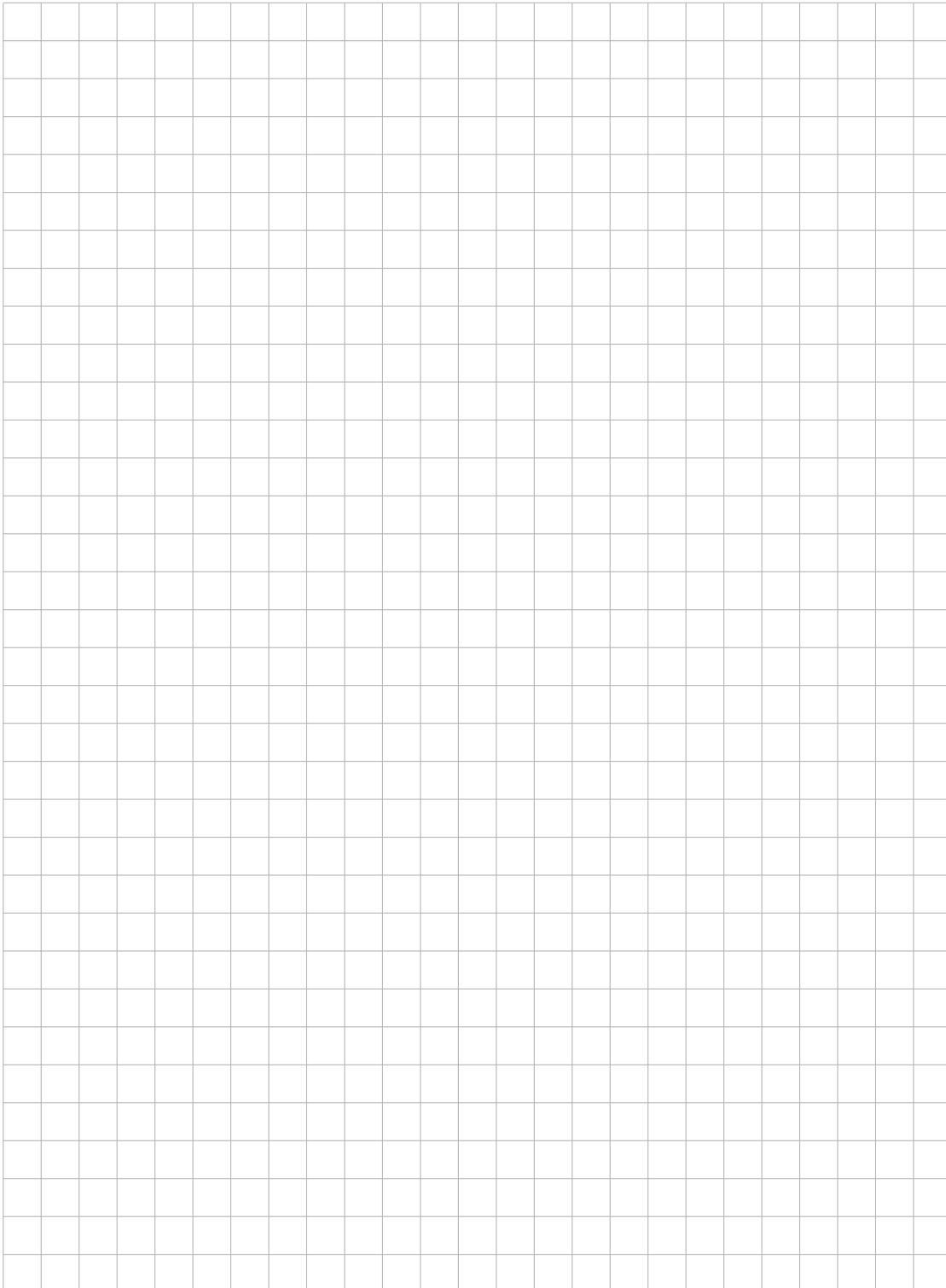
```
\notespage[pagestyle=empty]  
\notespage[pagestyle=plain]  
\notespage[pagestyle=useheadings]
```

Btw.: The pagestyle for this document was defined deliberately this way to see both header marks as often as possible. For this, the package `scrpage2` from KOMA-Script was used.

## Notes

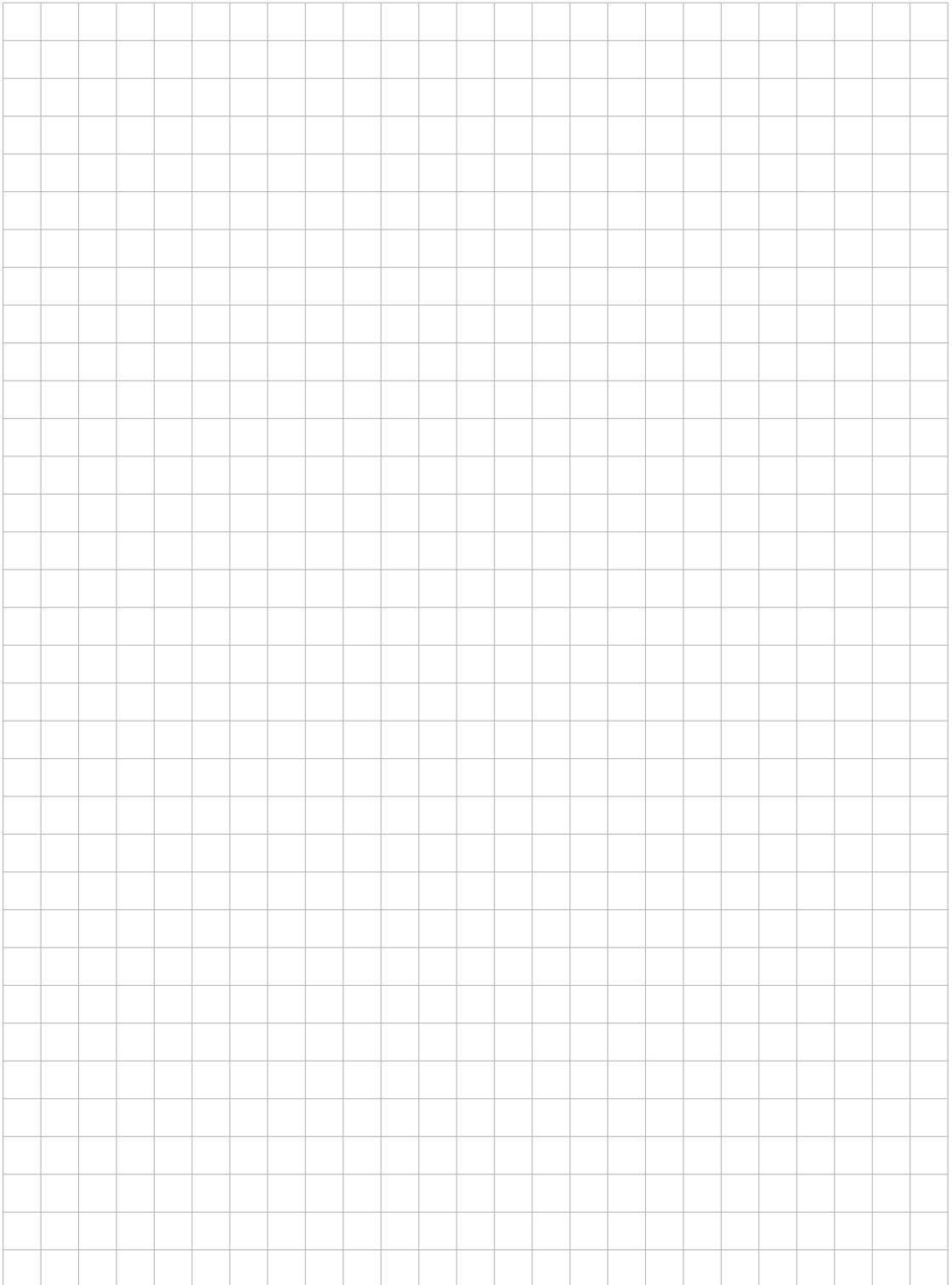


## Notes



*Notes*

## **Notes**



## 1.4 The option *notesstyle*

Up until now, the default *notesstyle* (*grid*) was used. The next example shows the other four. The commands are:

```
\notespage[notesstyle=plain]
\notespage[vparts=35,notesstyle=lines]
\notespage[notesstyle=vlines]
\notespage[notesstyle=text]
\notespage[vacant]
```

For the second page `vparts=35` was used, because the default is 0 and therefore the notes area would be empty. The fourth page doesn't really make sense, because the notes style `text` was meant to be used for otherwise empty pages. For this the meta option `vacant` was introduced. Its effect can be seen on the fifth page.

**Notes**







**Notes**

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## 1.5 The options *hparts*, *vparts*, and *usenotesareaheight*

Now let's play around a little with the options *hparts* and *vparts*. As mentioned in the manual, a value of 1 will always draw two lines. Let's take a look. The commands are:

```
\notesfill[vparts=1,notesstyle=lines]  
\notespage[hparts=1,notesstyle=vlines]  
\notespage[hparts=1,vparts=1]
```

### Notes

---

**Notes**

A large empty rectangular area bounded by thin vertical lines on the left and right sides, intended for taking notes.

## Notes

A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for the user to write their notes.

With the same values for both, one gets rectangles with the same aspect ratio as the text body. The command:

```
\notesfill[hparts=30,vparts=30]
```

## Notes

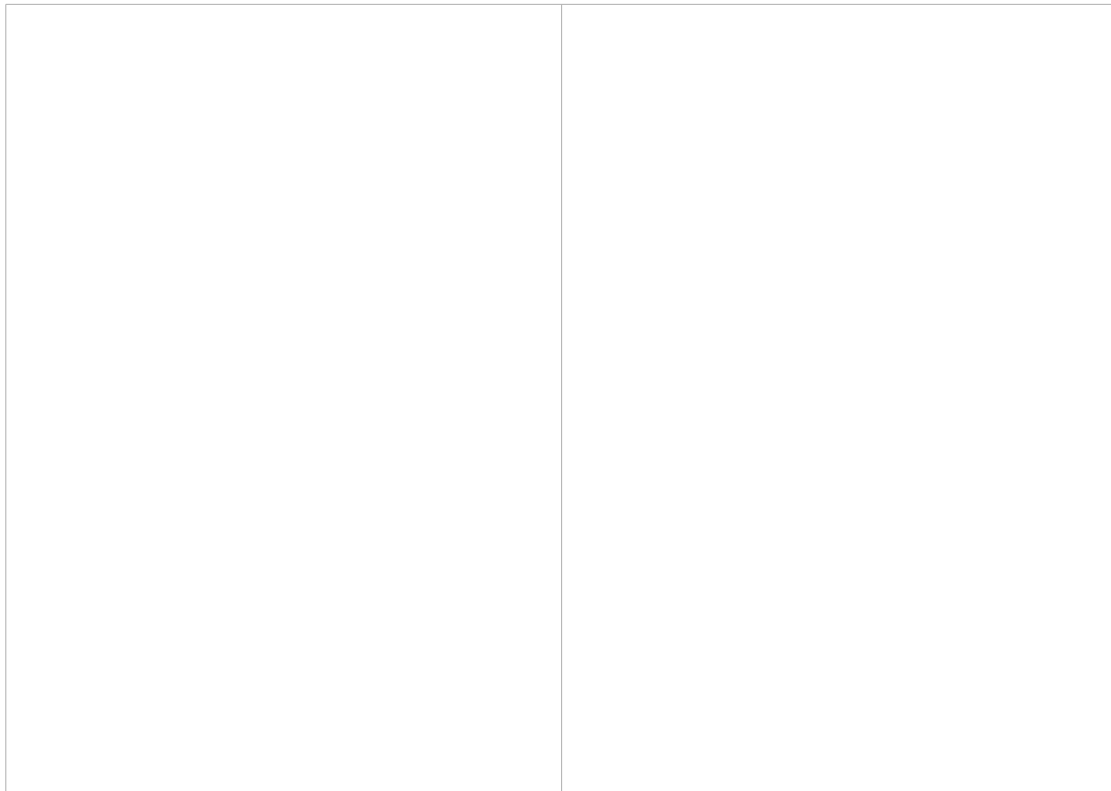


With the option `usenotesareaheight` the height of a vertical part will be calculated based on the height of the notes area instead of `\textheight`. Thus, there will be the exact number of parts given to `vparts`.

But first, lets see it without `usenotesareaheight`. The command:

```
\notesfill[hparts=2,vparts=2]
```

## Notes



And now, the same command, but this time with the option `usenotesareaheight`. The command is:

```
\notesfill[hparts=2,vparts=2,usenotesareaheight]
```

## Notes




But with the same command the height of a vertical part can be different each time, as can be seen below.

### Fill it

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

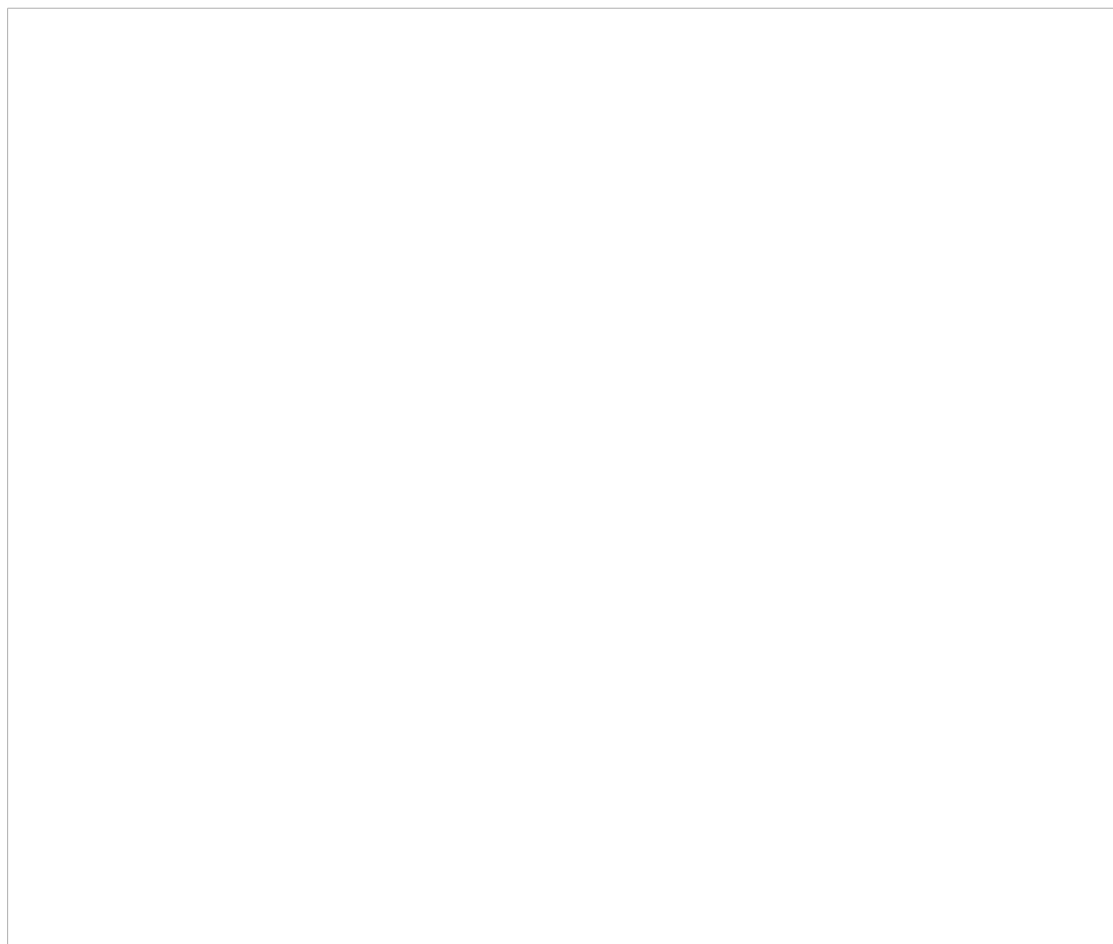
### Notes


## 1.6 The option *titlestyle*

The following pages show the possible *titlestyles*. Since the top most rectangles for the default appearance of the notes area will only be shown, if they fit completely into the notes area, the latter was change to be just a rectangle. Without this, the real distance between notes title and notes area couldn't be seen. The choice `minisec` wasn't used here, so this file can be compiled with classes, which don't support the command `\minisec`. The commands are:

```
\notesfill[hparts=1,vparts=1]  
\notespage[hparts=1,vparts=1,titlestyle=subsection]  
\notespage[hparts=1,vparts=1,titlestyle=subsubsection]  
\notespage[hparts=1,vparts=1,titlestyle=text]  
\notespage[hparts=1,vparts=1,titlestyle=none]
```

### Notes



**Notes**

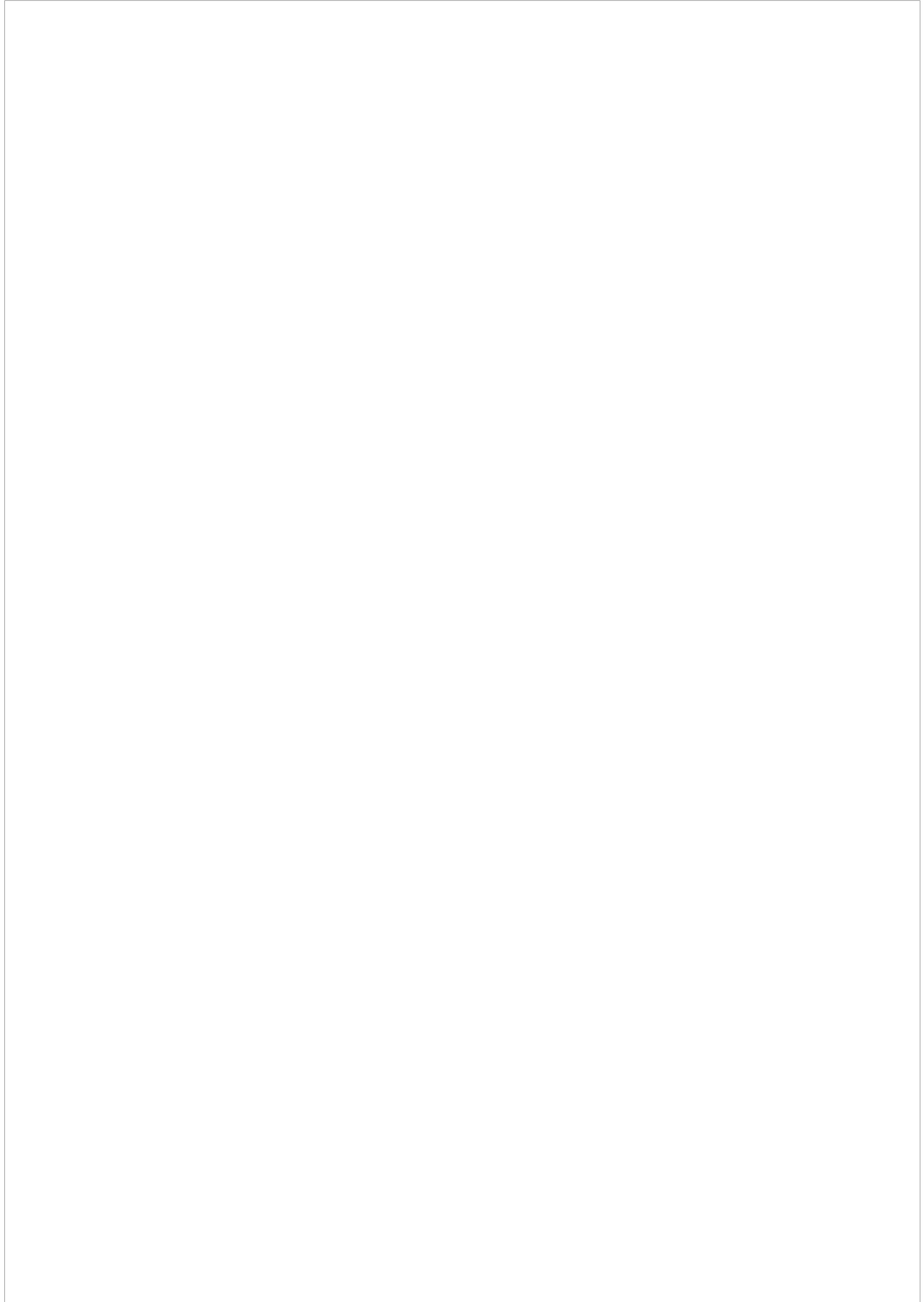
A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for the user to write their notes.

**Notes**

A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for the user to write their notes.

Notes

A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for the user to write their notes.



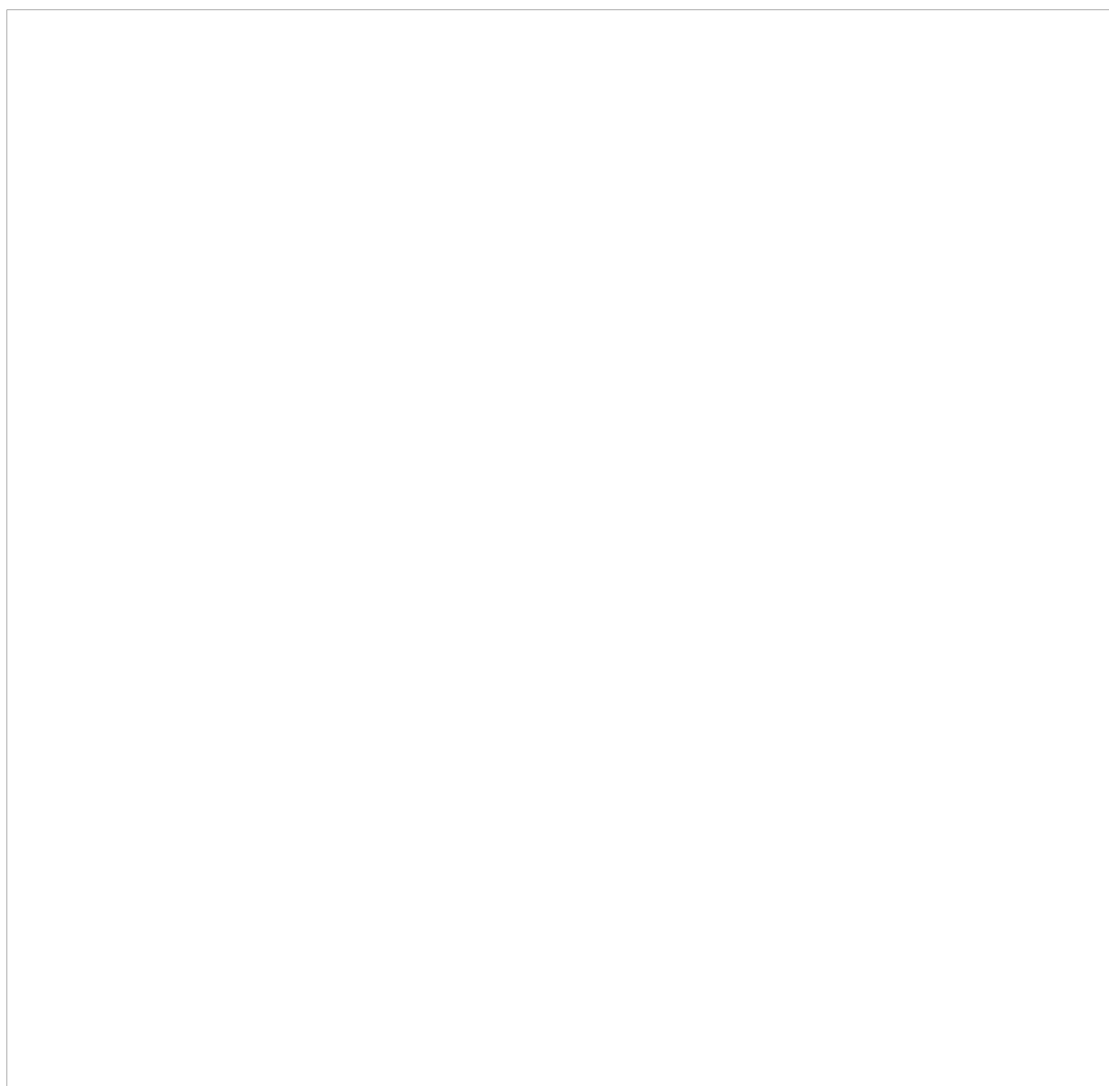
## 1.7 The option titletext

With the option `titletext` a new text for the notes title can be given. If the new text is not just a single word, it should be given in braces. And if it contains a comma or an equality sign it must be given in braces.

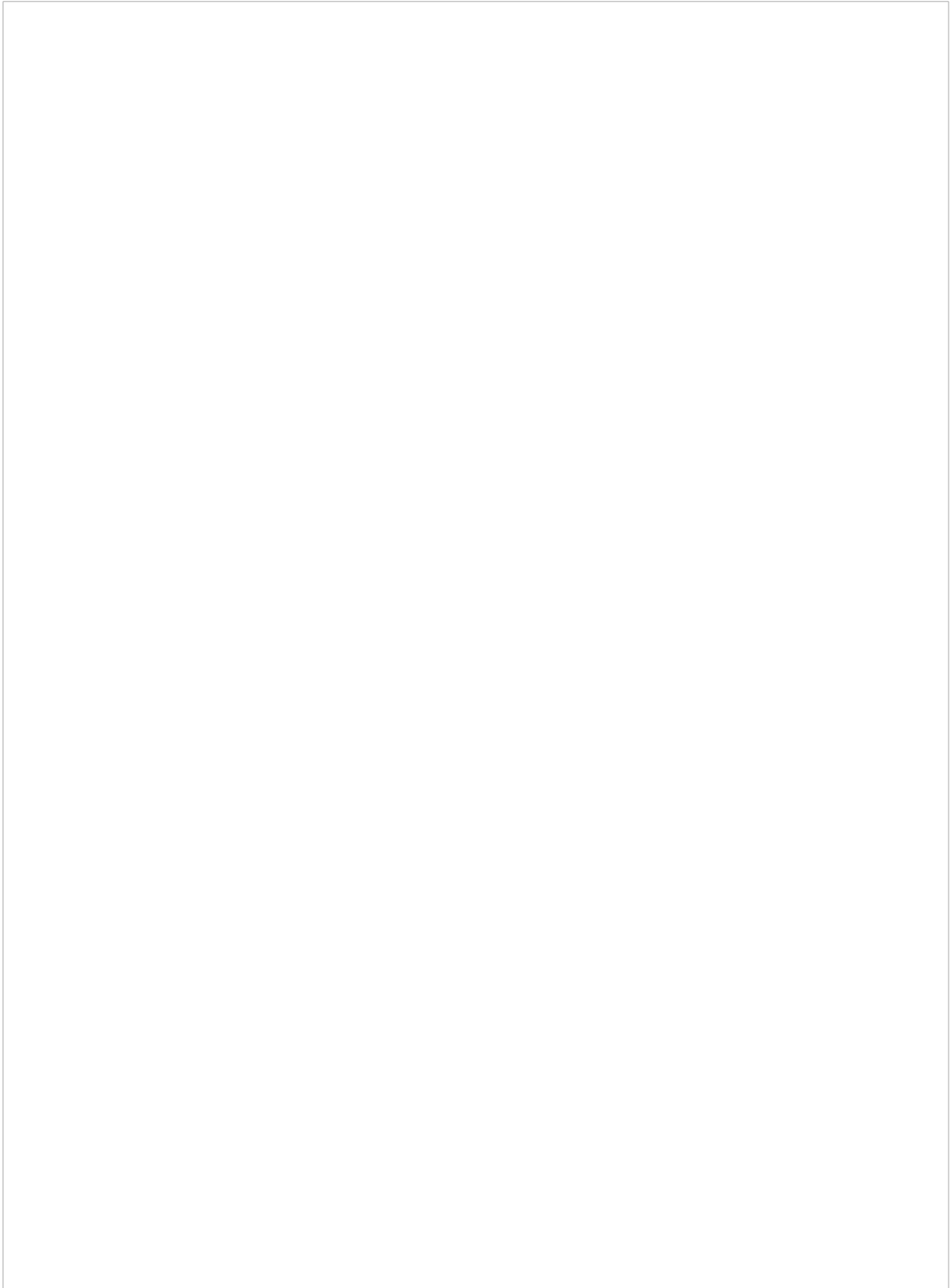
The new text is also used as the text for the header mark, if the option `marktext` is not used. The commands are:

```
\notesfill[hparts=1,vparts=1,titletext={Please, make some notes here}]  
\notespage[hparts=1,vparts=1,titletext={Scribble page}]
```

**Please, make some notes here**



**Scribble page**



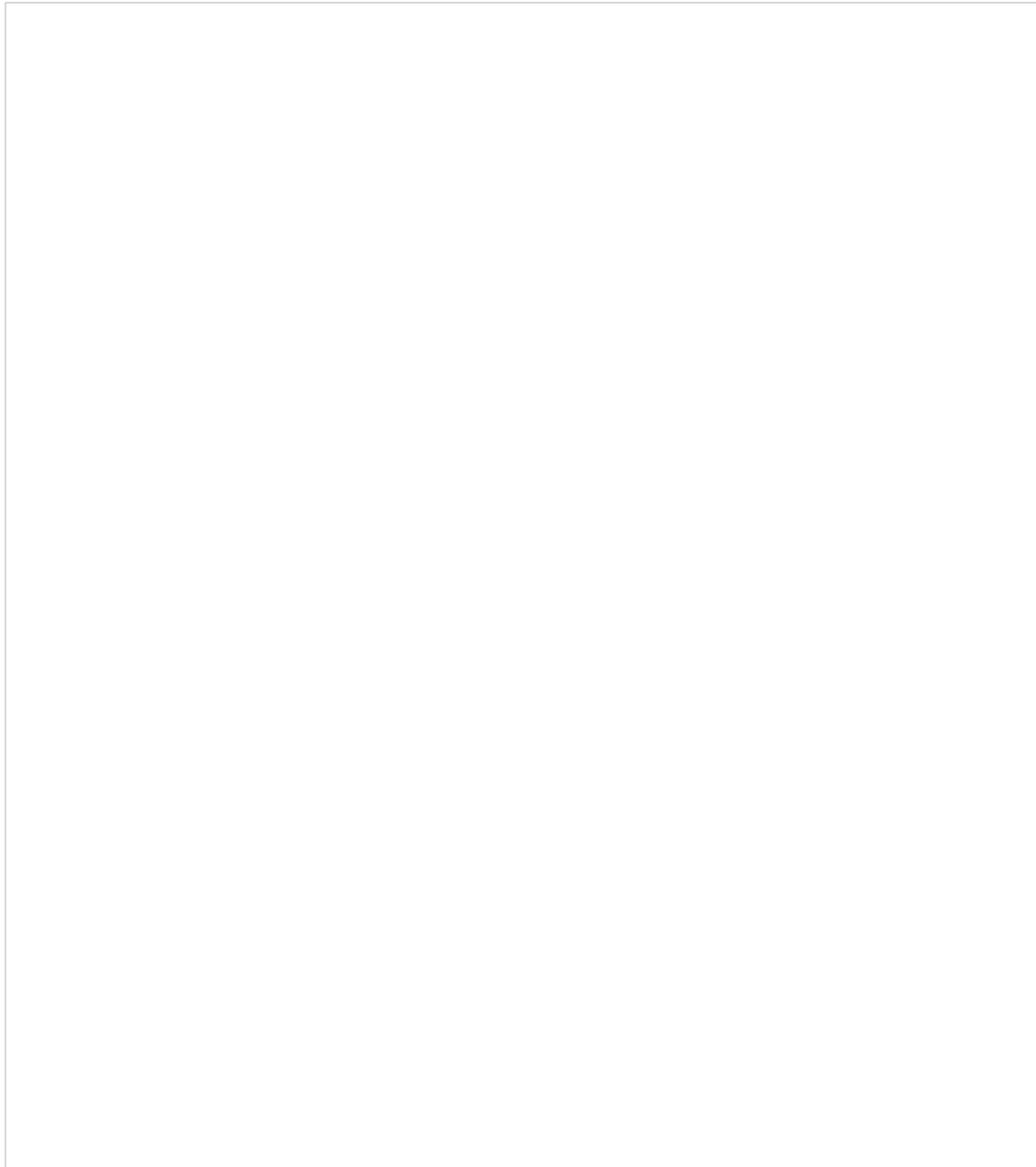


## 1.8 The option *titleskip*

Especially if `titlestyle=text` is given, the option `titleskip` is useful. With it, some space can be put between the notes title and the notes area. This is shown here. Compare it to page 37. The command is:

```
\notesfill[hparts=1,vparts=1,titlestyle=text,titleskip=2ex]
```

Notes



## 1.9 The option *titlenotesfill*

The option *titlenotesfill* will move the notes area down to the end of the page. This can only be shown with the *notesstyle text*, for which it doesn't really make sense. But if someone defines a custom notes style, which doesn't use the whole notes area, the option can be used to move it down. The command is:

```
\notesfill[notesstyle=text,filltopfill=false,titlenotesfill]
```

### Notes

This page is intentionally left blank.

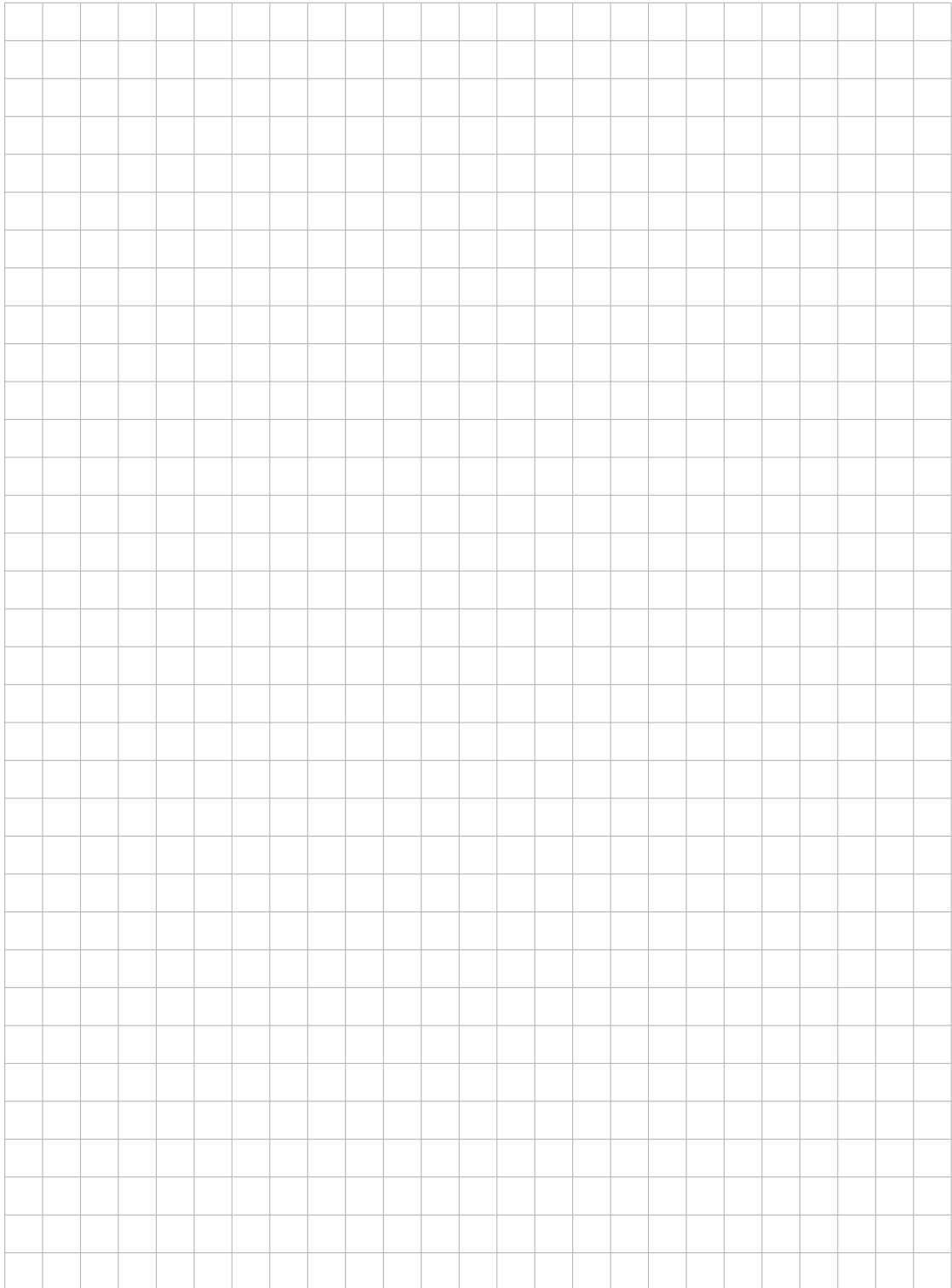
## 1.10 The option mark

Up until now, mark was set to both. The next pages will show the other choices. The commands are:

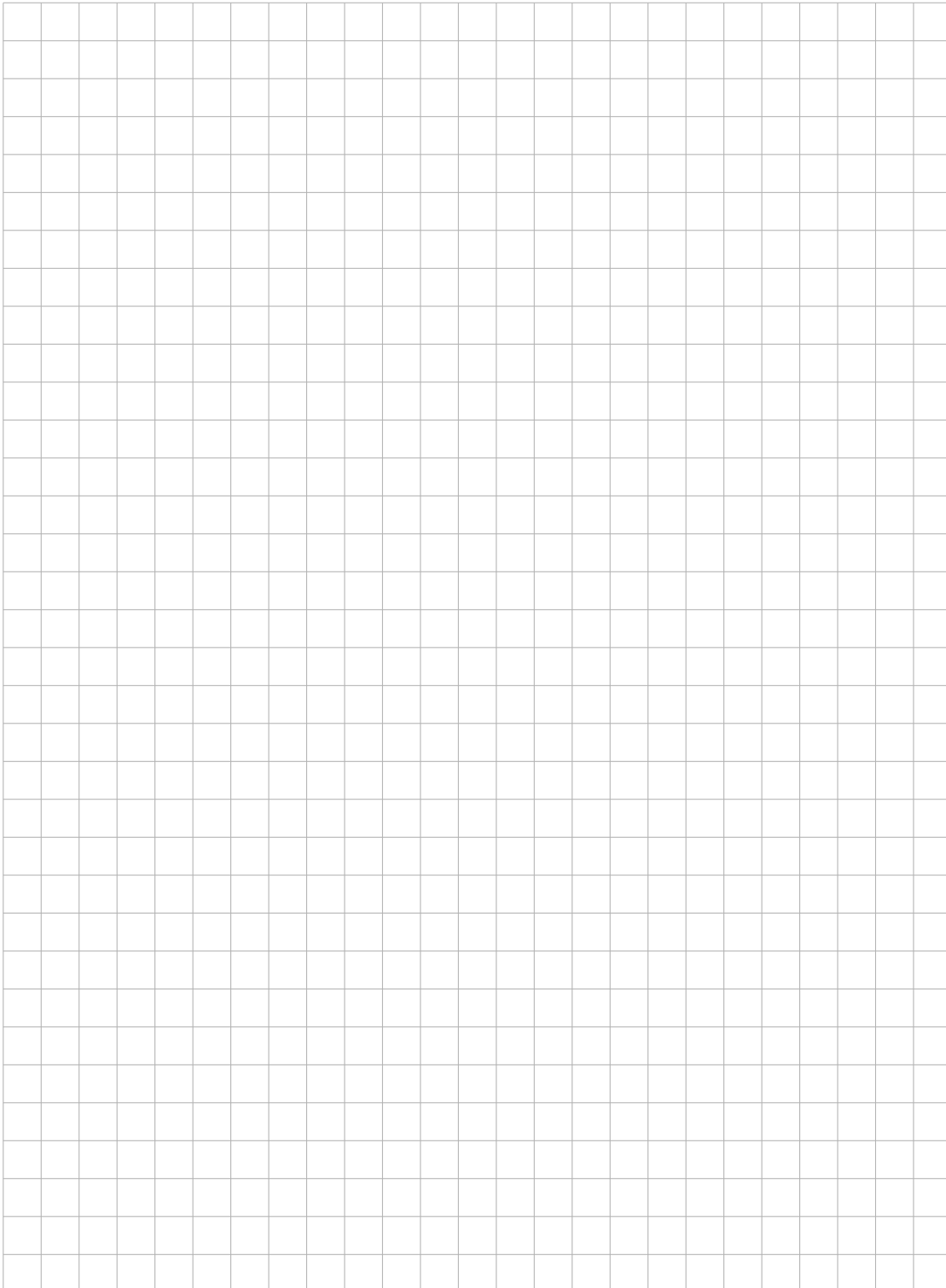
```
\notespage[mark=keep,titletext={Notes (keep)}]
\notespage[mark=right,titletext={Notes (right)}]
\notespage[mark=left,titletext={Notes (left)}]
\notespage[mark=right,titletext={Notes (right)}]
\notespage[titletext={Notes (both)}]
\notespage[mark=left,titletext={Notes (left)}]
\notespage[mark=right,titletext={Notes (right)}]
\notespage[mark=left,titletext={Notes (left)}]
\notespage[titletext={Notes (both)}]
\notespage[mark=right,titletext={Notes (right)}]
\notespage[mark=left,titletext={Notes (left)}]
```

The additional pages were put in to test, if switching between the choices of mark works.

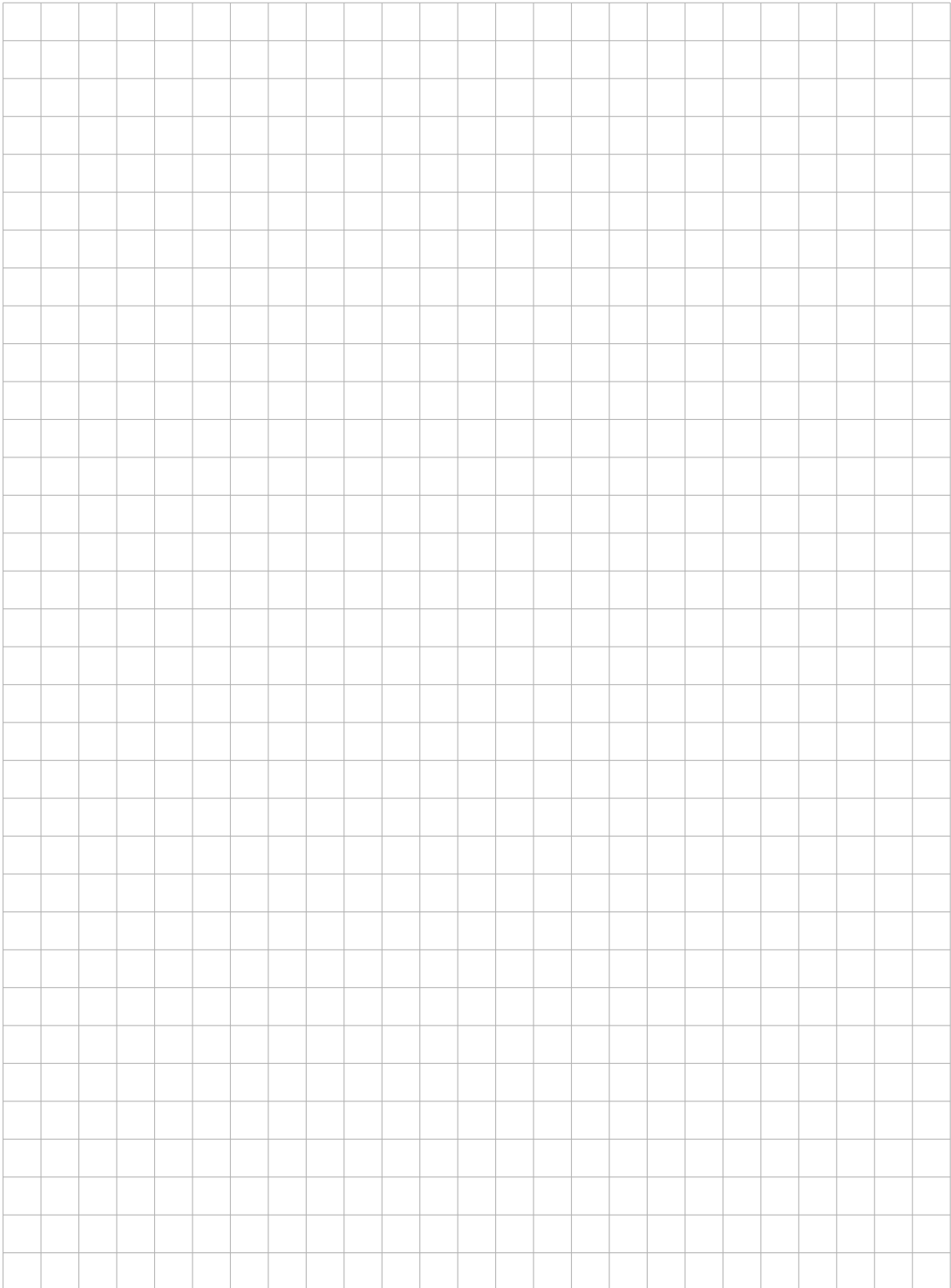
**Notes (keep)**



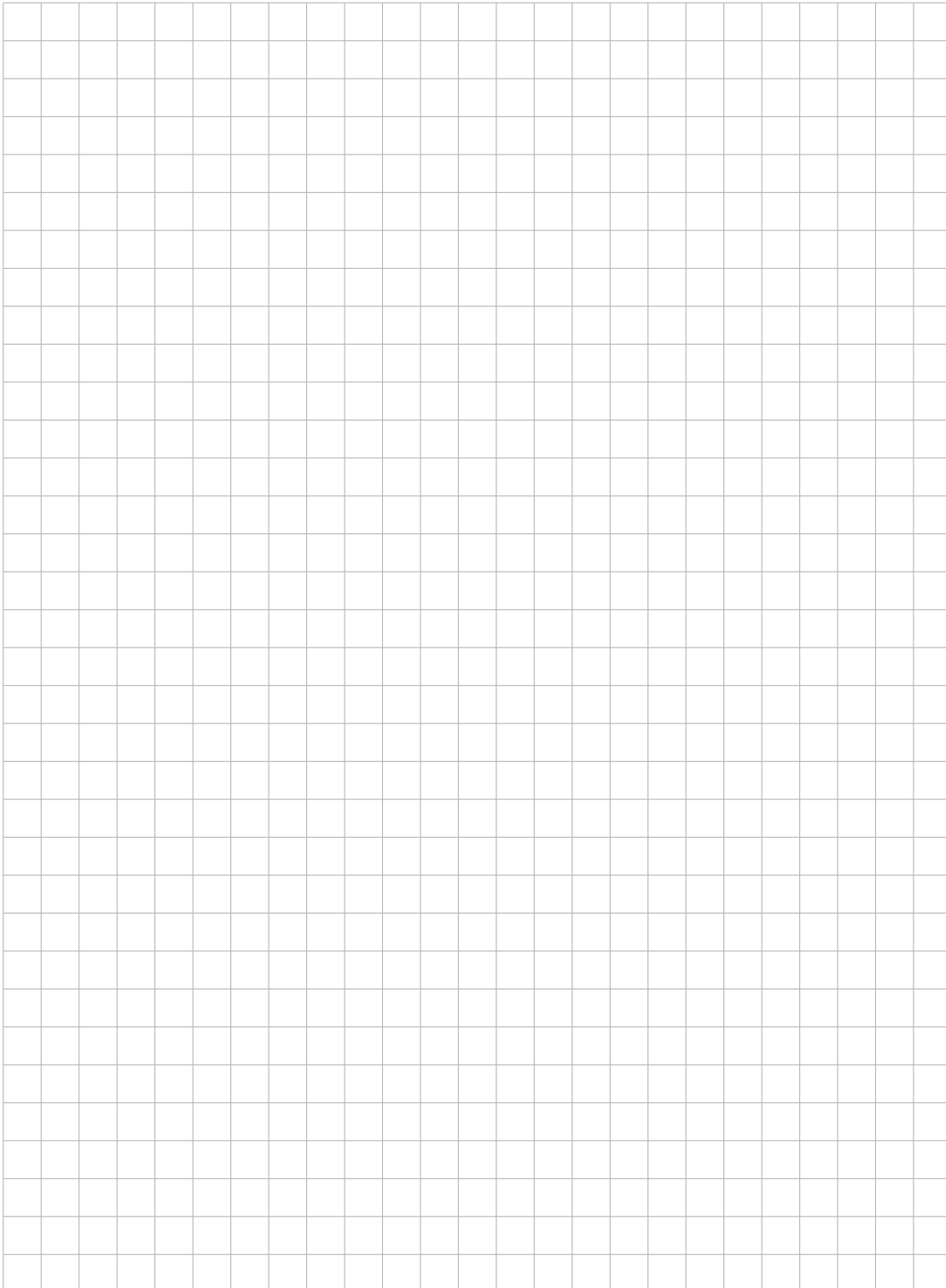
**Notes (right)**



**Notes (left)**



**Notes (right)**

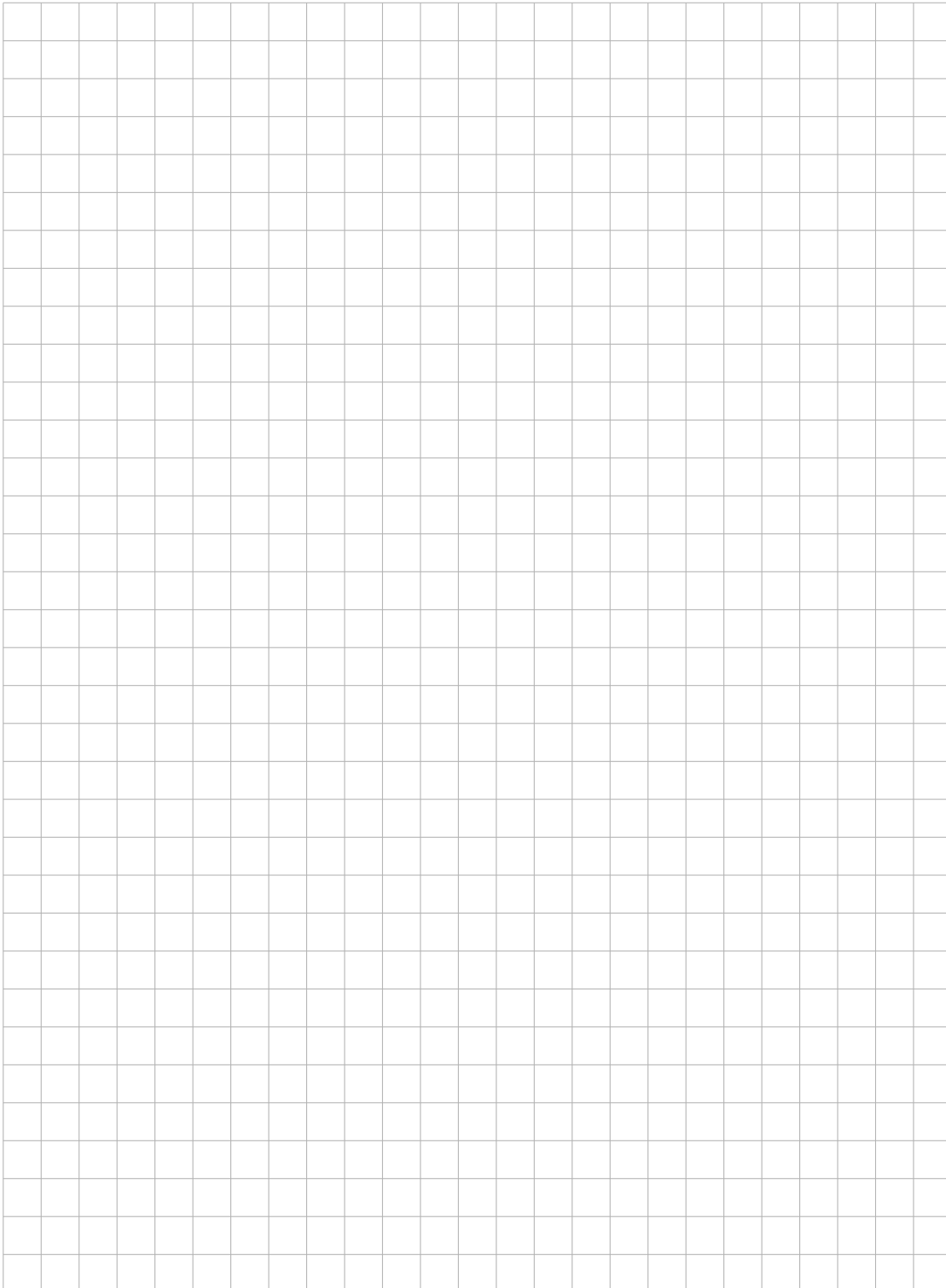


**Notes (both)**

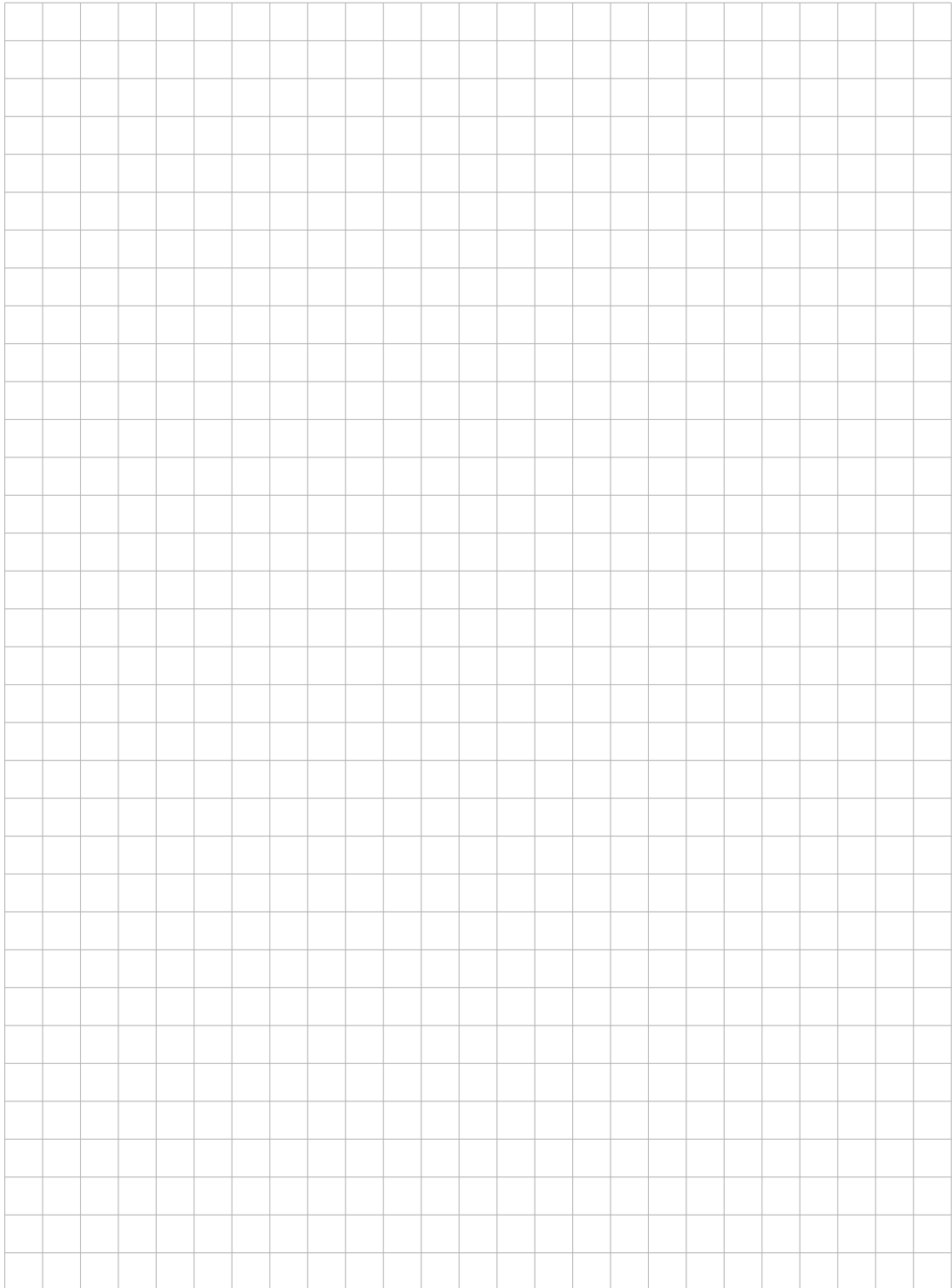




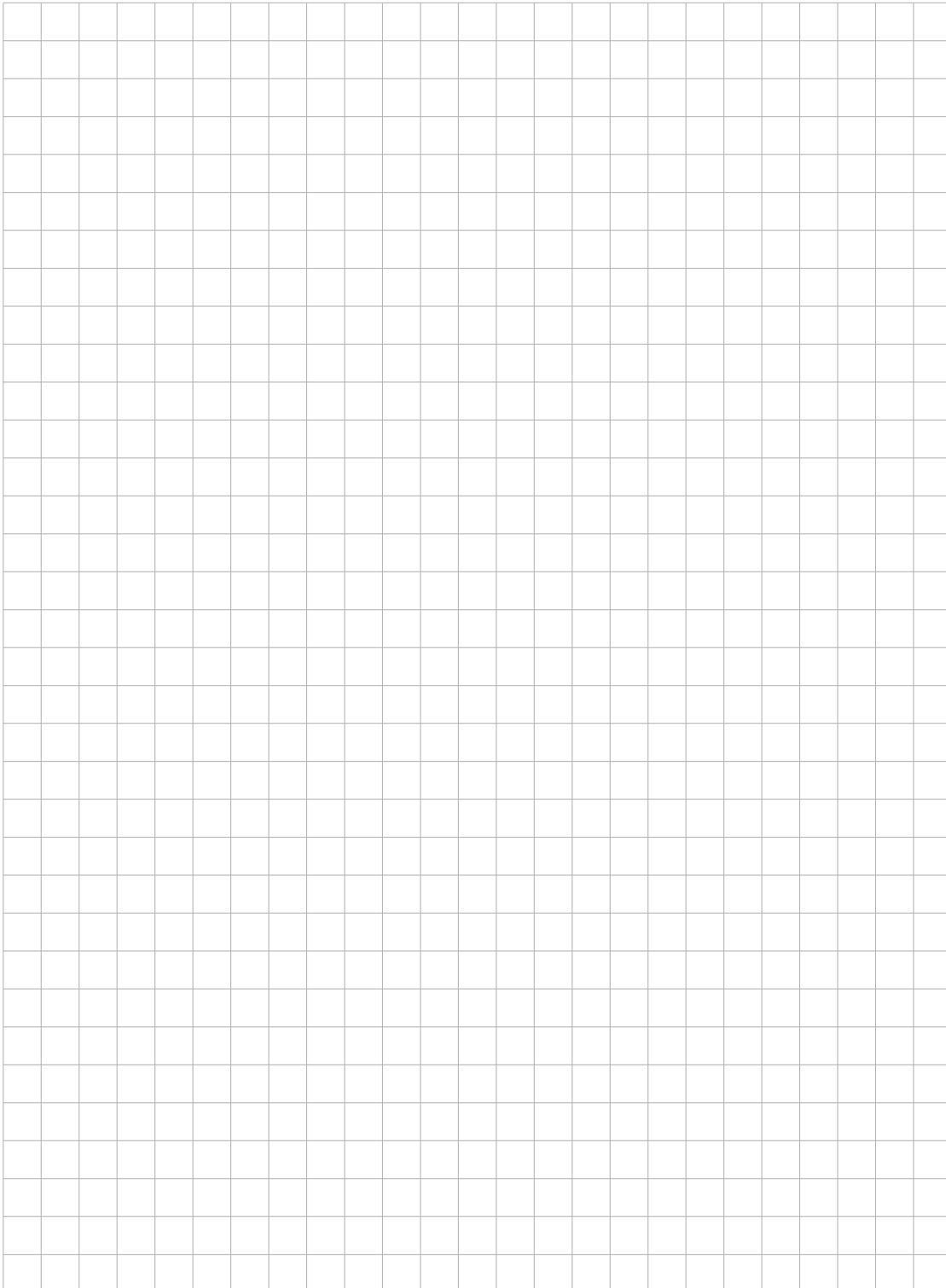
**Notes (left)**



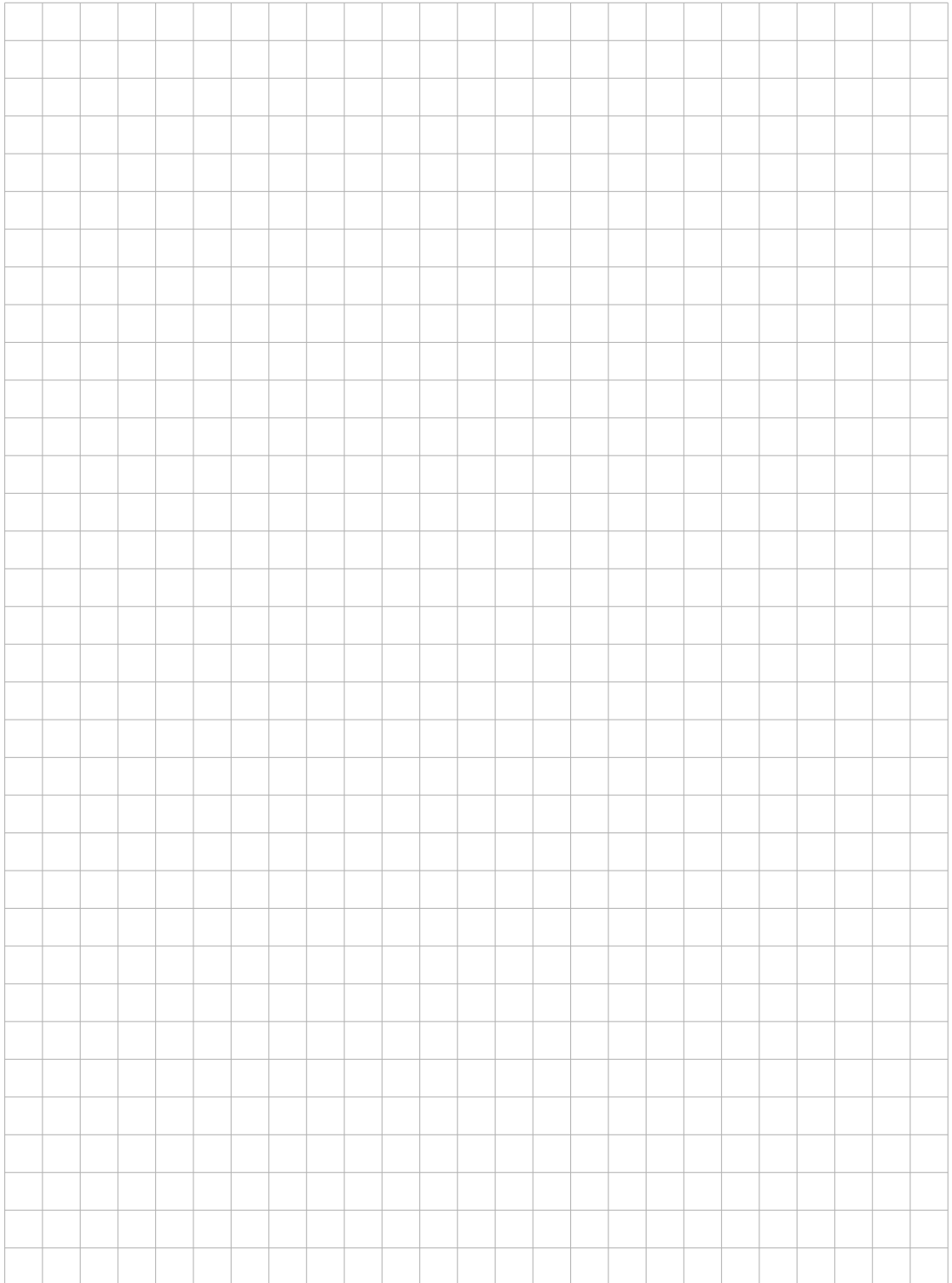
**Notes (right)**



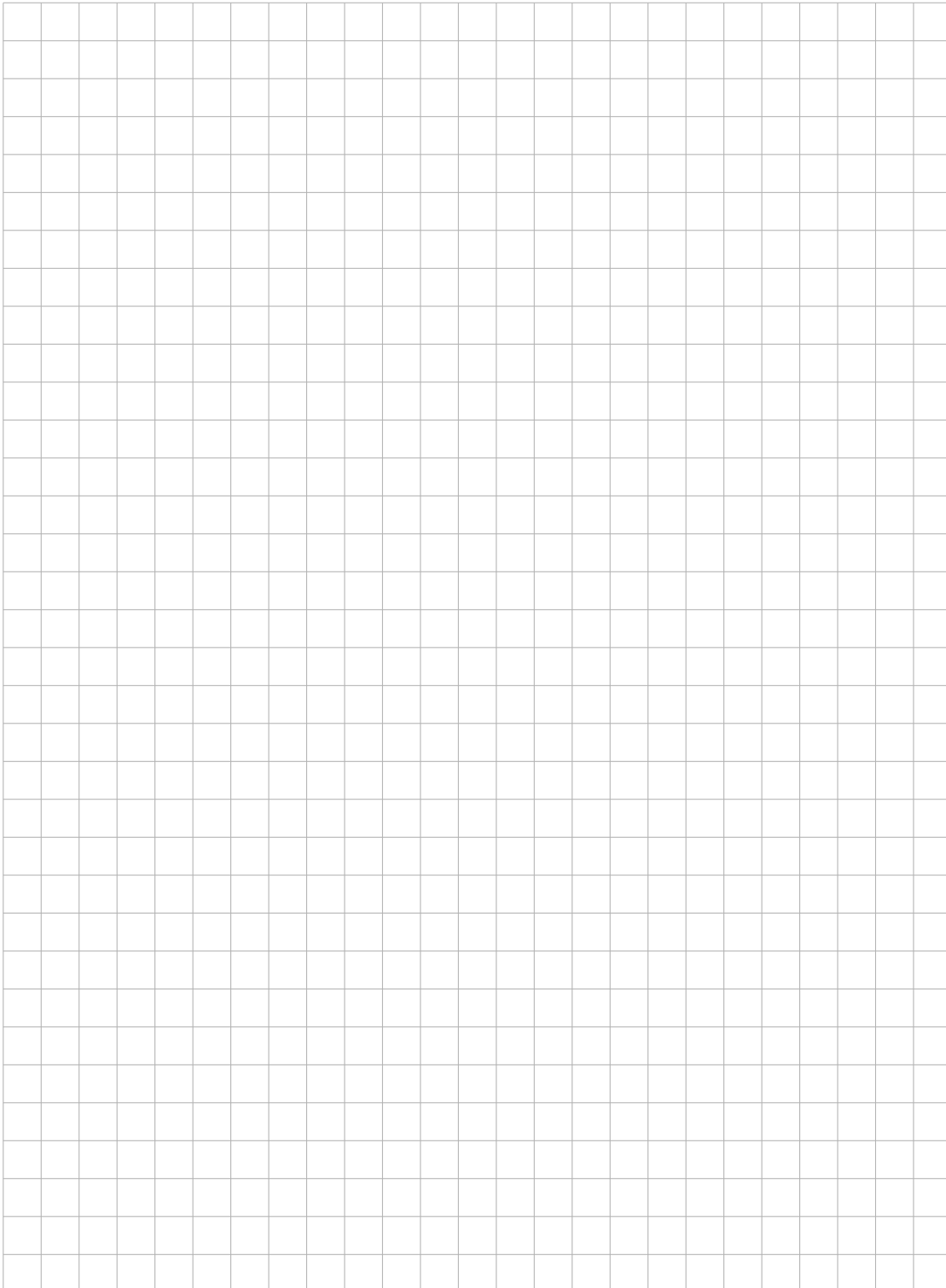
**Notes (left)**



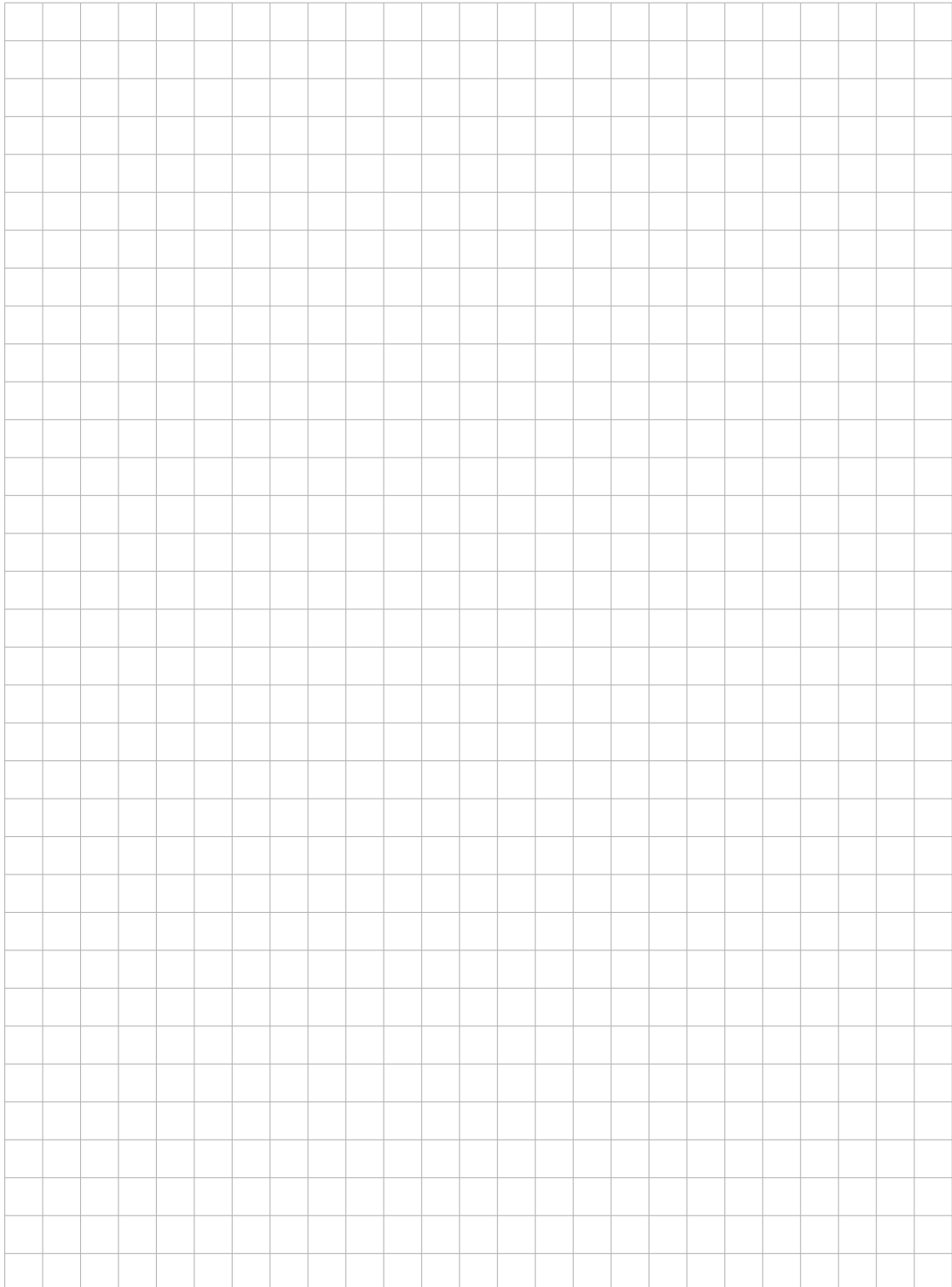
**Notes (both)**



**Notes (right)**



**Notes (left)**



## 1.11 The options *marktext* and *markuppercase*

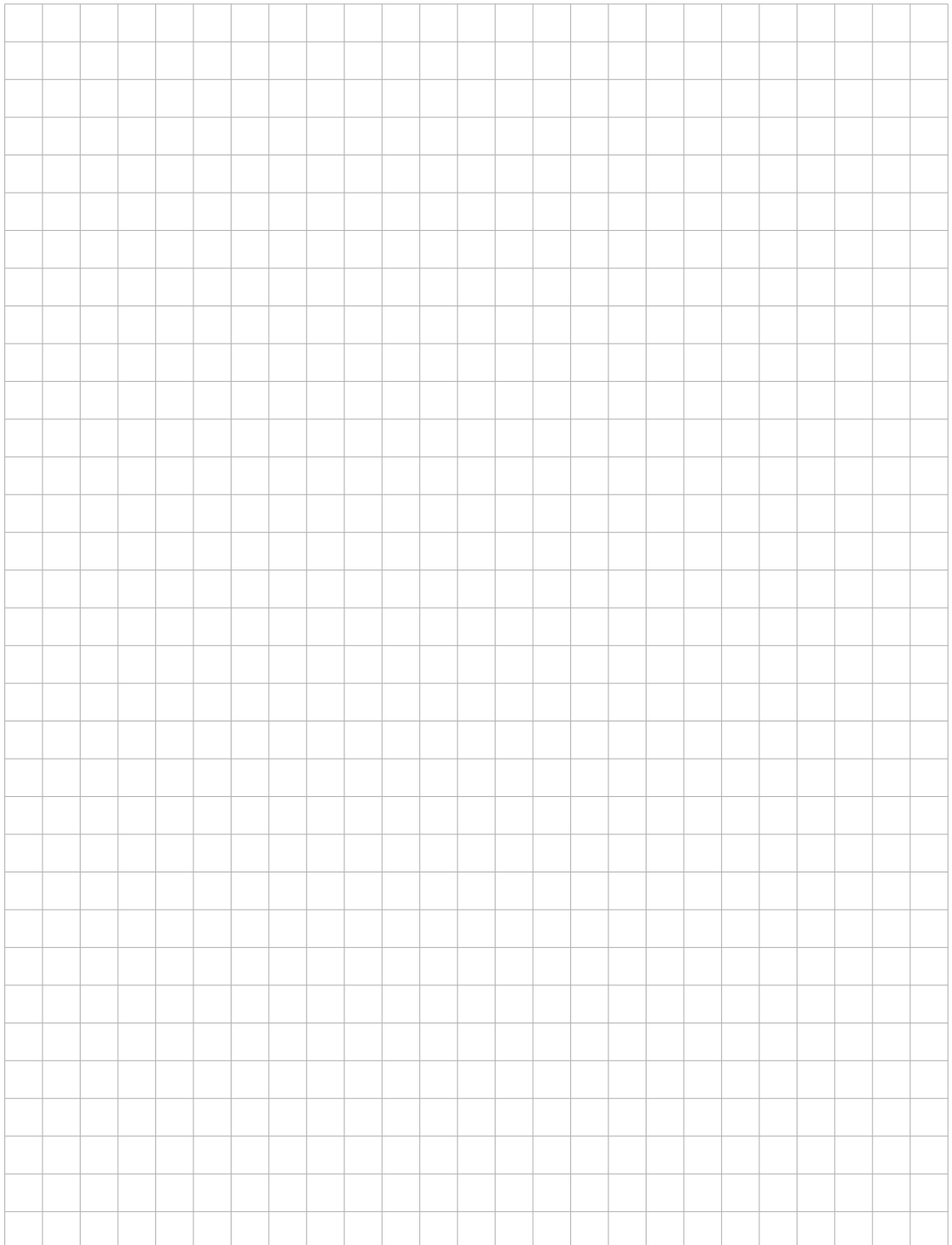
The option *marktext* is used to set a text for the header mark. This is useful, if the title text is too long for the header. Again, if the text contains more than one word it should be given in braces, and if it contains a comma or an equality sign it must be given in braces.

Some classes set the header marks in uppercase letters. To do this for the header marks of a notes page, the option *markuppercase* exists. It is set automatically for the standard classes, the KOMA-Script classes and memoir. For other classes, the default is *false*. The setting can be changed with this option, as shown in the next example.

The command is:

```
\notespage[marktext=Scribbel,markuppercase,titlestyle=text,  
titletext={This is a very long text for a scribble page. And it  
doesn't just end after one sentence, so it is really too long for  
the header.}]
```

This is a very long text for a scribble page. And it doesn't just end after one sentence, so it is really too long for the header.





## 2 Controlling the number of notes pages

### 2.1 The options `multiple`, `minpages`, and `endpages`

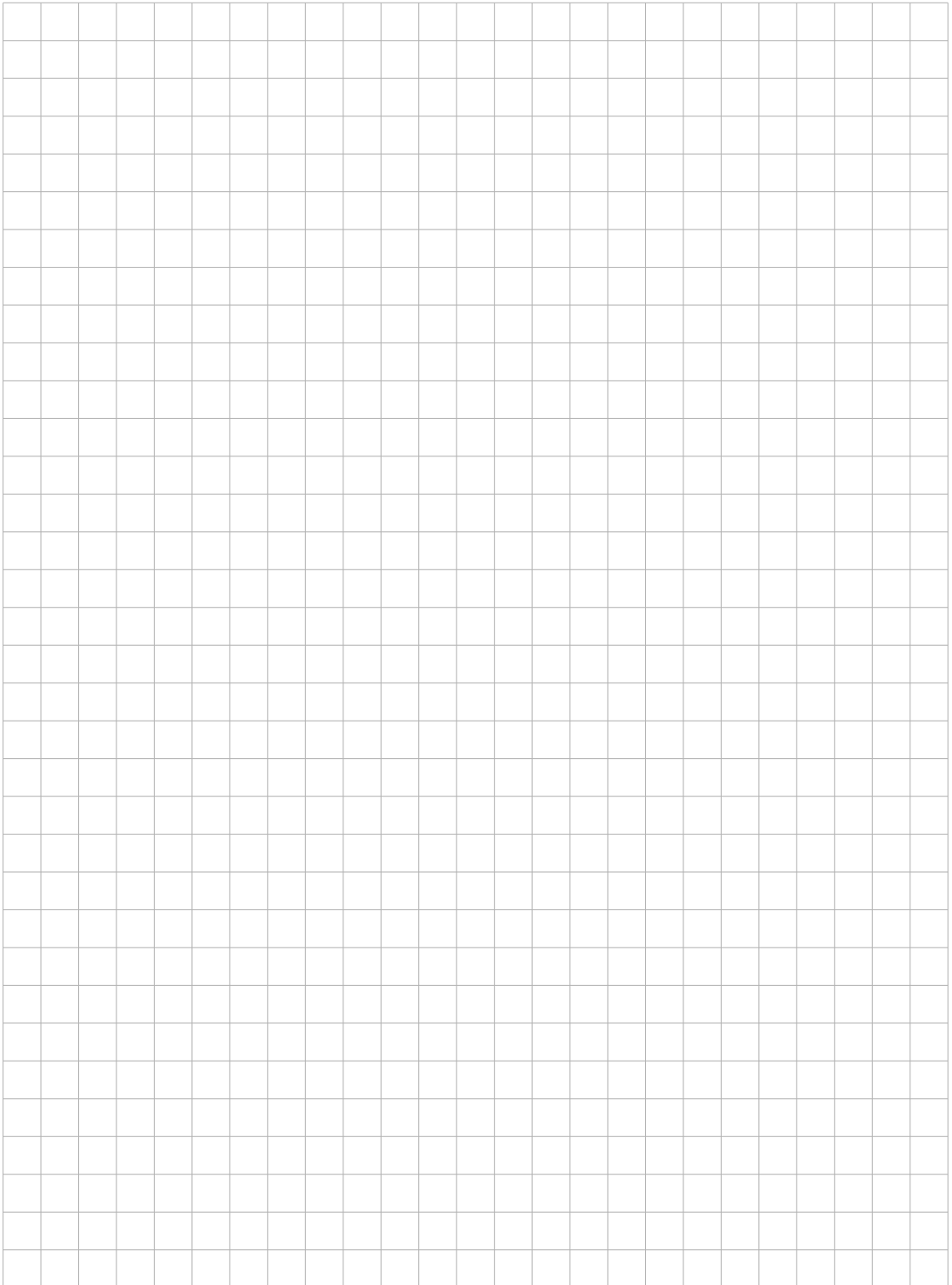
The way to set these options is to think as follows: the number of pages must be a multiple of  $d$ , at least  $m$  notes pages are needed, and at the end  $e$  pages are needed for other purposes. Then just set `multiple = d`, `minpages = m`, and `endpages = e`.

As an example, lets assume the number of pages should be a multiple of 4, at least one notes page should appear and one page is needed after the notes pages. The options for this are `multiple=4,minpages=1,endpages=1` (`multiple` could be omitted, because 4 is the default value).

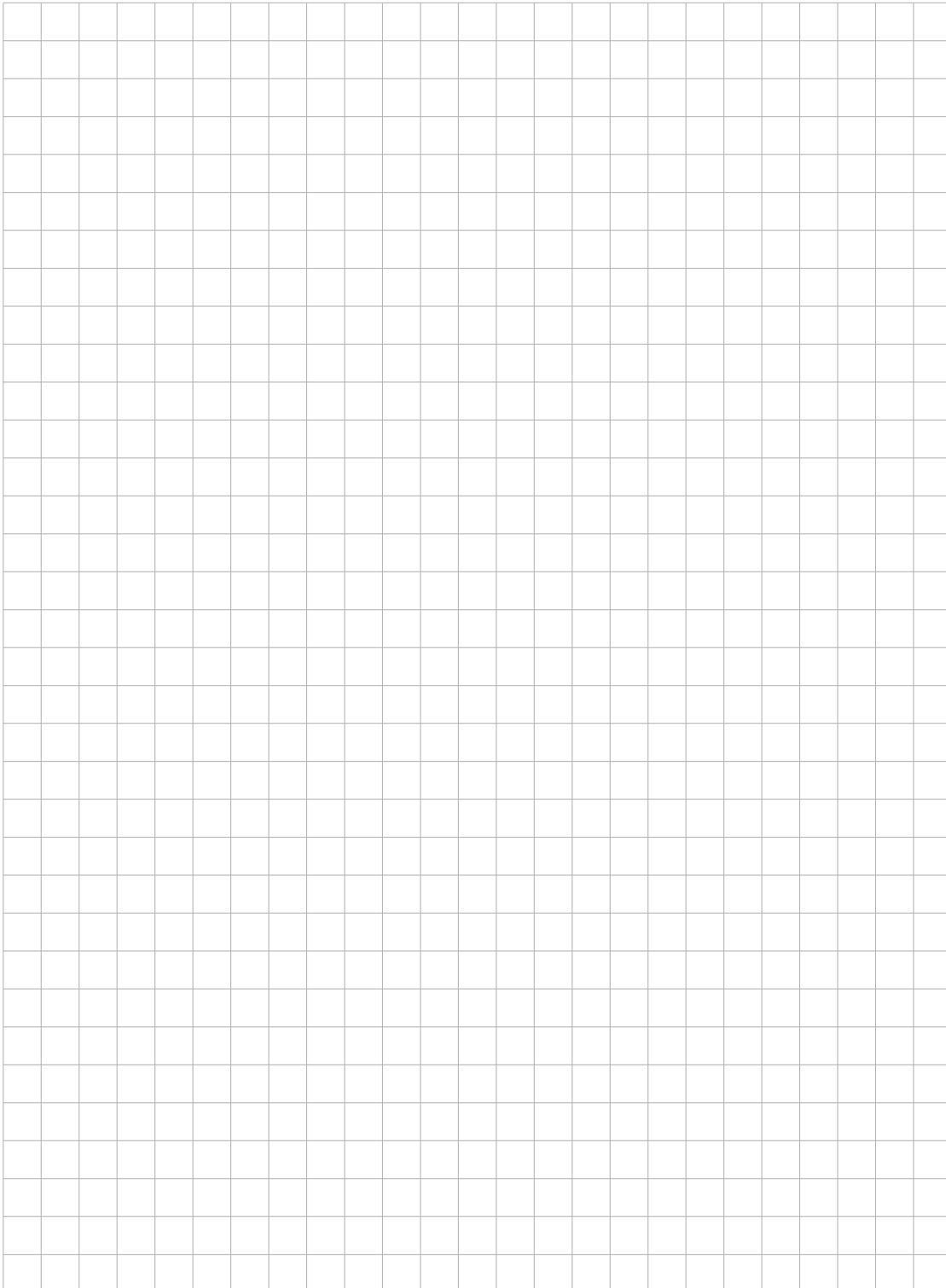
Now this is page 57, therefore three pages are needed to fill the document to a multiple of 4. But there should be one page at the end for other stuff. So only two pages will be inserted to fulfill `endpages=1`. Since there are already two notes pages, `minpages=1` is fulfilled.

If this would have been page 55, there would be 4 notes pages. Page 56 would be a notes page to fulfill `minpages=1`, which would also fulfill `multiple=4` but violate `endpages=1`. Because of that, three additional notes pages would be inserted, so all three conditions are met.

## Notes



# Notes



Here we are on page 60, the page for other purposes (like for example contact information on the back of a manual).

With `minpages=0` nothing would change here. And with `endpages=0` this page would be a notes page too.

Besides the maximum and minimum values for the options, there are no limits on the values and there are no dependencies between them. For example, `endpages` may be greater than `multiple`.

## 2.2 Other examples

Since this is page 60 and it's a multiple of 4, a `\notespages` here with the default setting (`multiple=4,minpages=0,endpages=0`) will do nothing. Let's try it:

Look into the source of this file, there is a `\notespages` command between this paragraph and the former one.

Inserting an exact number  $n$  of notes pages can be done with `multiple=1,minpages=n`. Here any value for `endpages` would have no effect.



**Fill it**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

**Fill it**

Lorem ipsum dolor sit amet, consetetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consetetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

**Notes**



## 3.2 The options *filltopskip*

The option `filltopskip` is used to get a minimum distance between the text and the notes fill. In order to show its effect the `titlestyle` is changed *text*. The commands are

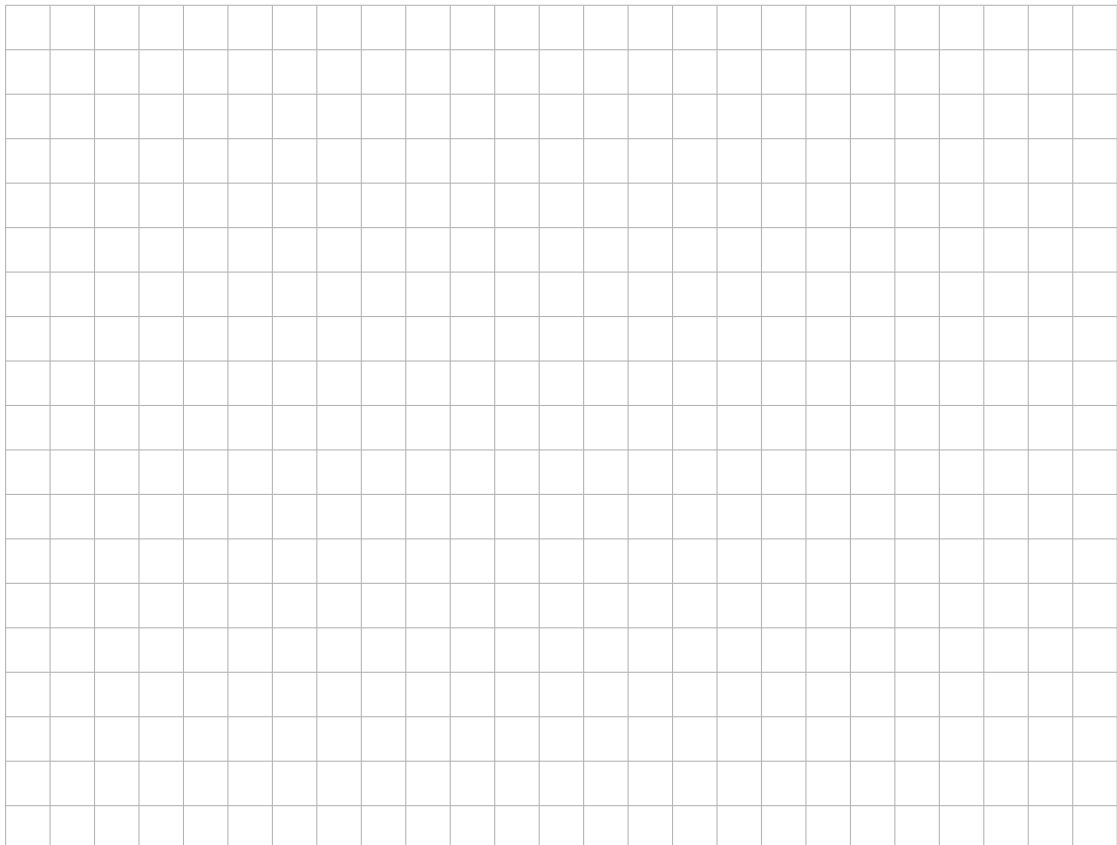
```
\notesfill[titlestyle=text]
\notesfill[titlestyle=text,filltopskip=2ex]
```

Just compare this page to the next one.

### Fill it

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Notes





The different space between the notes title and the notes area here is due to the fact, that only full vertical parts are drawn.

**Fill it**

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Notes



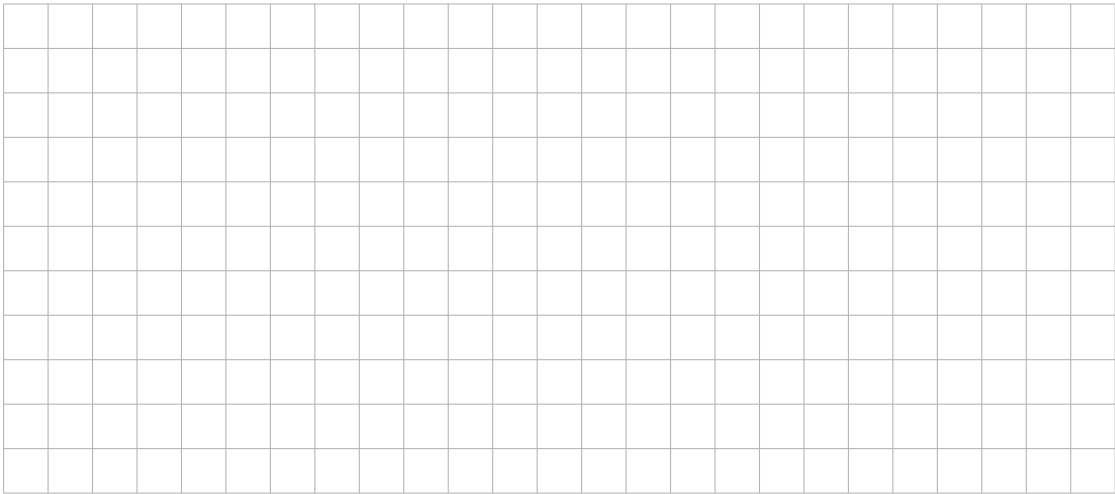
### 3.3 The option **filltopfill**

As can be seen on page 61, the notes fill is moved to the bottom of the page. This is due to the fact, that by default `filltopfill` is set to *true*. With the command

```
\notesfill[fillmaxspace=0.4\textheight,filltopfill=false]
```

the notes fill is not moved down, as can be seen here.

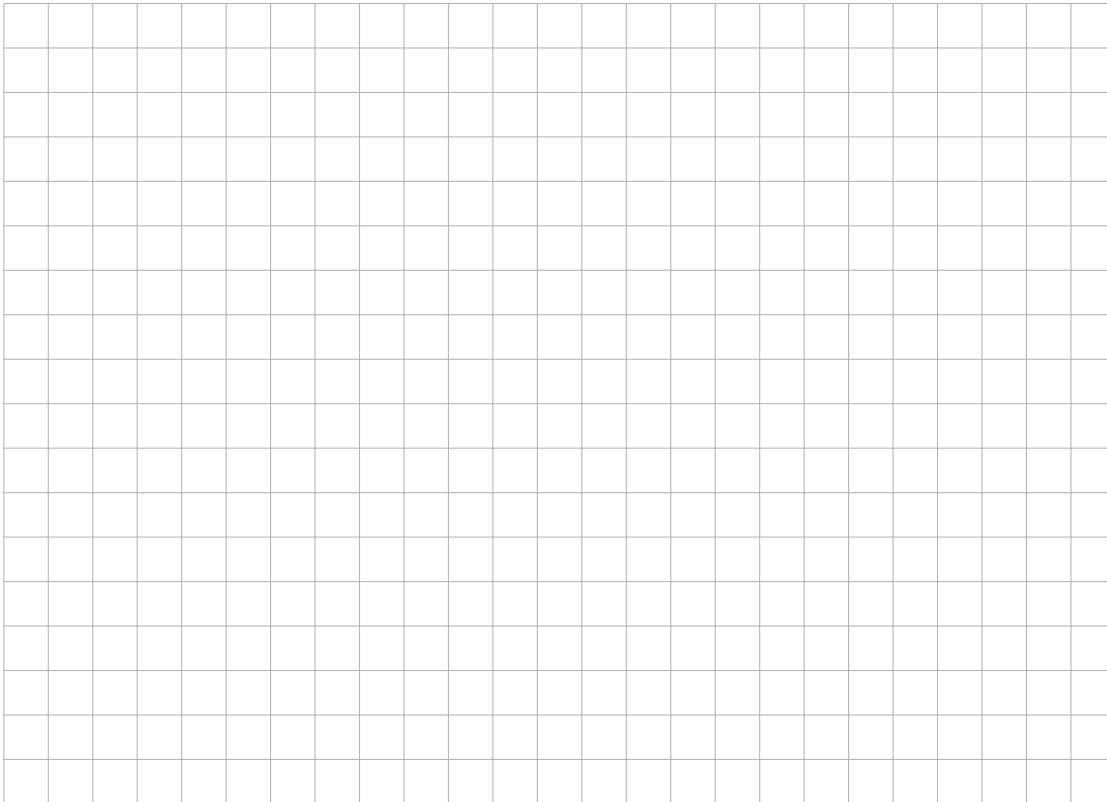
### **Notes**



### 3.4 The restriction regarding notesfill

As mentioned in the manual, footnotes and bottom floats will appear below the notes fill, as shown here.<sup>1</sup> But at least, it has the right height.

#### Notes



---

<sup>1</sup>Unfortunately, this is not easy to fix.



Figure 3.1: Again, a rectangle

An empty page before a new chapter.

## 4 Advanced commands

### 4.1 The command `\setnotespages`

This command is used to change the settings globally. It takes a key value list, where all options can be used. It is possible to use the command everywhere in the document, changing the settings from the point of its appearance on. For example, instead of writing

```
\notesfill[hparts=1,vparts=1,titlestyle=text,filltopskip=2ex,  
  titletext=\textsf{\textbf{Scribble}},titleskip=1ex]  
\notespage[hparts=1,vparts=1,titlestyle=text,filltopskip=2ex,  
  titletext=\textsf{\textbf{Scribble}},titleskip=1ex]
```

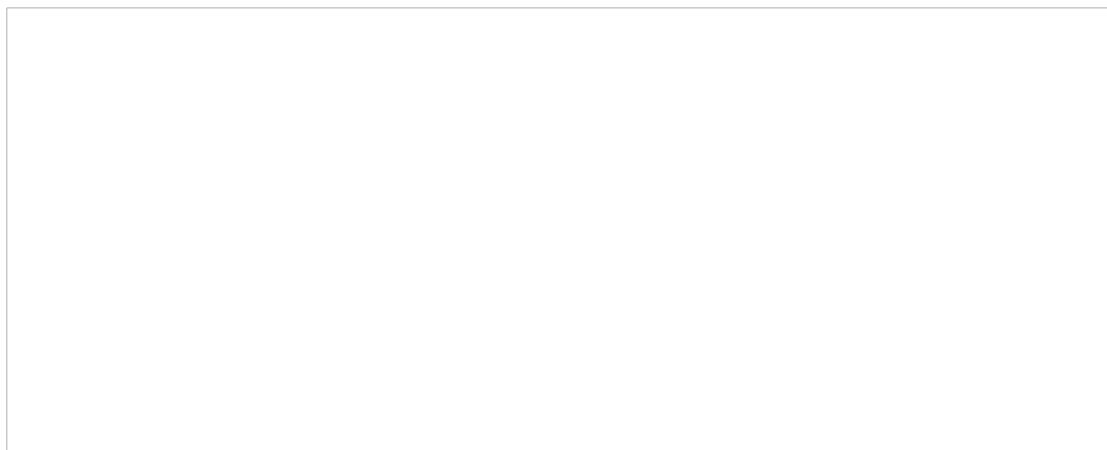
it is easier to write

```
\setnotespages{hparts=1,vparts=1,titlestyle=text,filltopskip=2ex,  
  titletext=\textsf{\textbf{Scribble}},titleskip=1ex}  
\notesfill  
\notespage  
\setnotespages{default}
```

Note, that on the next page the formatting for the `titletext` is used for the header too. This can be circumvented by a) also setting `marktext` or b) defining your own title style (see [section 4.3](#)).

At the end, the package defaults are restored, so following examples start from there.

#### **Scribble**



**Scribble**



## 4.2 The command `\definenotesoption`

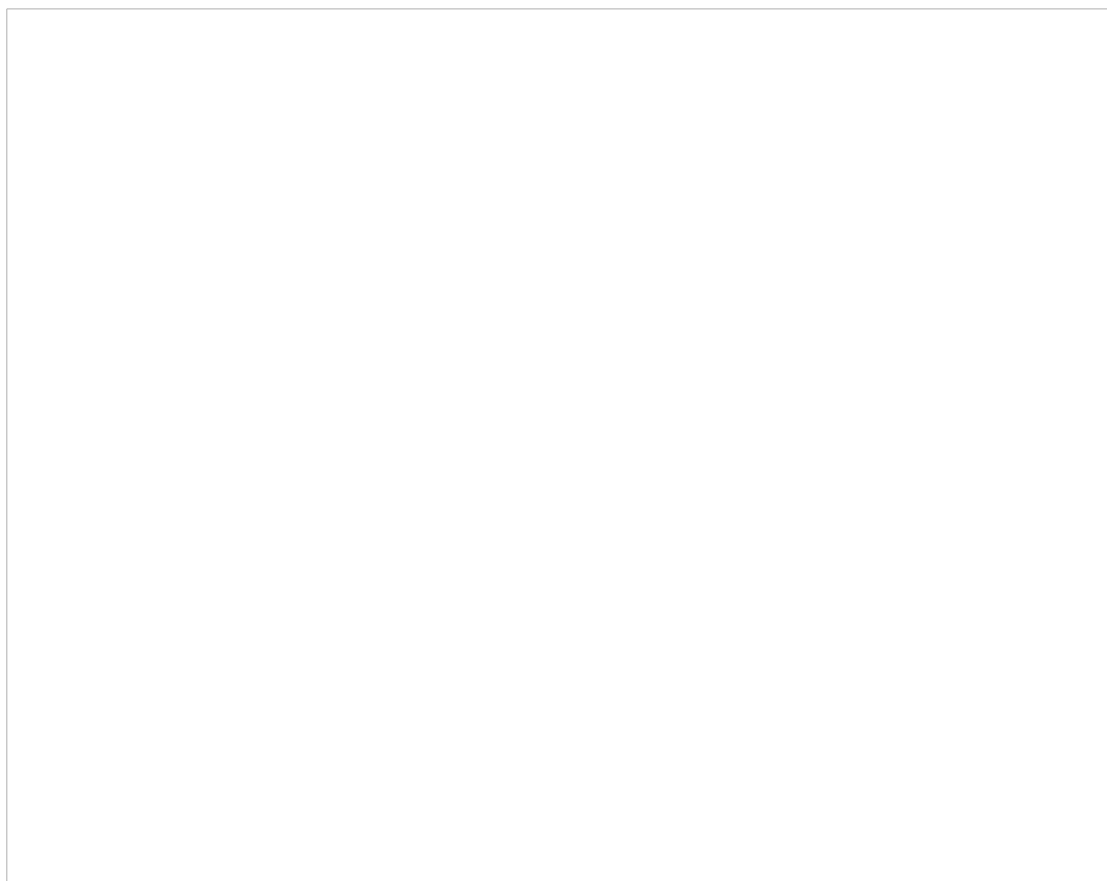
This command is used to define a new meta option. It is similar to `\setnotespages`, but instead of changing the settings, the settings are assigned to a name, which can then be used as an option for the commands of this package. With this, the last example can be realised with

```
\definenotesoption{scribblepage}{default,hparts=1,vparts=1,
  titlestyle=text,filltopskip=2ex,titletext=\textsf{\textbf{Scribble}},
  titleskip=1ex,marktext=Scribble}
\notesfill[scribblepage]
\notespage[scribblepage]
```

Here the option `default` was used, in order to always keep the same appearance, even if the settings were changed with `\setnotespages`. And the problem with the header marks in the previous example was solved using `marktext`.

After its definition, the new option `scribblepage` can also be used in `\setnotespages` or another `\definenotesoption`.

### Scribble



**Scribble**





### 4.3 The command `\definetitlestyle`

With this command a new title style can be defined. The first argument is the name for the new style, which can be used as a new choice for the option `titlestyle` after the definition. The second argument contains the macros to format the title.

In order to get the text set with the option `titletext` the command `\notestitletext` must be used where the title should appear. But of course, it is possible to put in some text. If the indentation by `\parindent` is unwanted, the definition should start with `\noindent`. And finally, there has to be a `\par` at the end. That said, if a predefined command is used, which somehow uses `\noindent` and `\par`, they are no longer necessary. For example, the title styles *section* and *text* could have been defined with

```
\definetitlestyle{section}{\section*{\notestitletext}}
\definetitlestyle{text}{\noindent\notestitletext\par}
```

Btw.: existing title styles should not be redefined, as this may cause problems.

Now lets define a new title style. Here is the example from the manual:

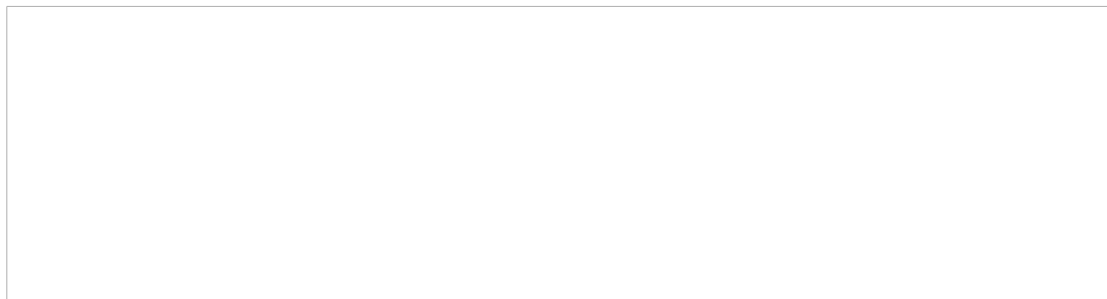
```
\definetitlestyle{boldred}{\noindent\textcolor{red}%
  {\textbf{\notestitletext}}\par}
\notesfill[scribblepage,titletext={Bold Red Note},
  titlestyle=boldred,fillminspace=0.1\textheight]
```

Here the option `scribblepage` from the last example was used. And then `titletext` and `titlestyle` were added, overwriting some of the settings done with `scribblepage`. This shows the importance of the order of options. Putting `scribblepage` at the end would have overwritten the other options.

Now, it is possible to put some text directly into the definition. But keep in mind, this text will not appear in the headers. Here an example:

```
\definetitlestyle{prefix}{\noindent Note on:
  \textcolor{blue}{\notestitletext}\par}
\notespage[hparts=1,vparts=1,titleskip=1ex,titletext={Title Styles},
  titlestyle=prefix]
```

#### **Bold Red Note**



Note on: [Title Styles](#)



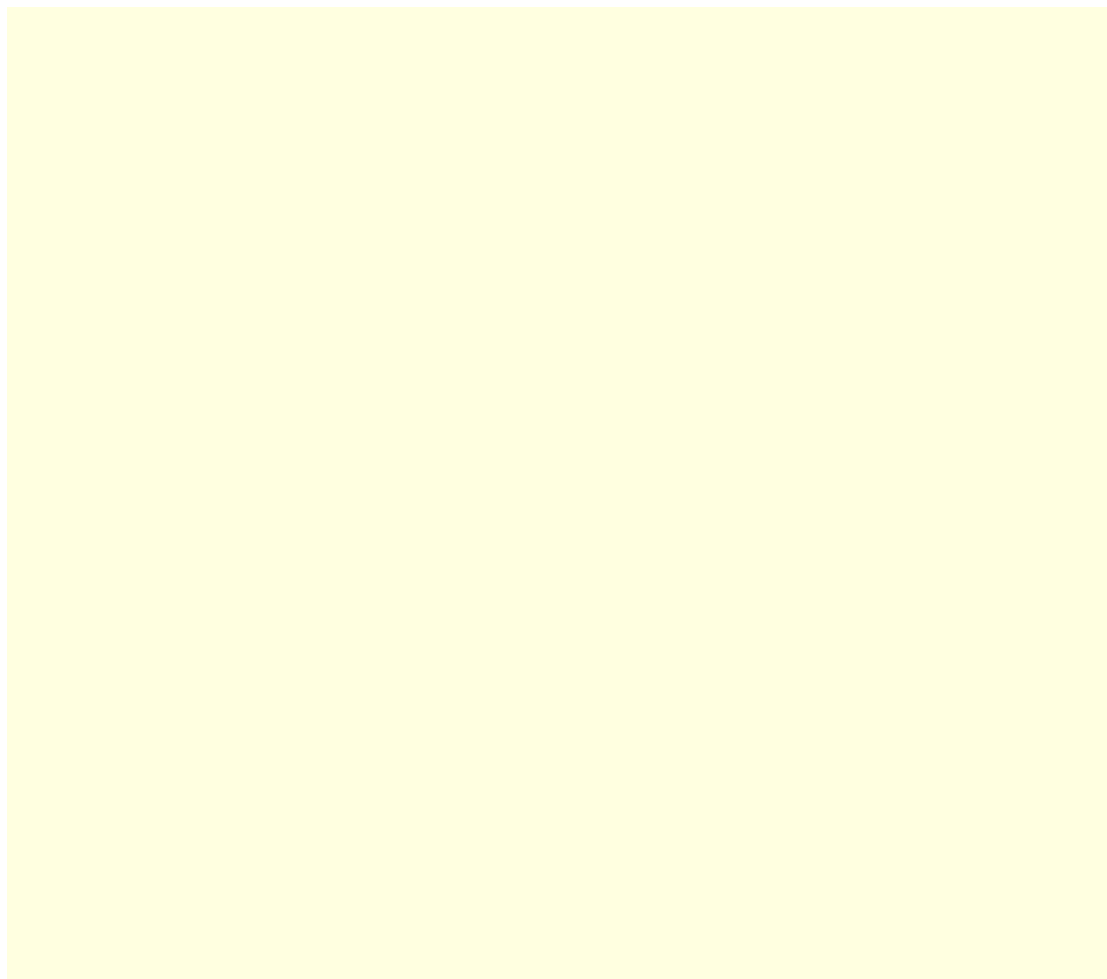
## 4.4 The command `\definestyle`

The notes style provided with `NotesPages` are just basic ones. With this command it is possible to define your own styles, which can be quite fancy. But let's start with the simple example from the manual:

```
\definestyle{yellow}{\color{LightYellow}%  
  \rule{\textwidth}{\remainingtextheight}}  
\notesfill[notesstyle=yellow]
```

Again, the first argument is the name of the new style, which can then be used as a new choice for the option `notesstyle`. And the second argument contains the macros to create the notes area. Here `\remainingtextheight` has to be used to get the height of the notes area.

### Notes

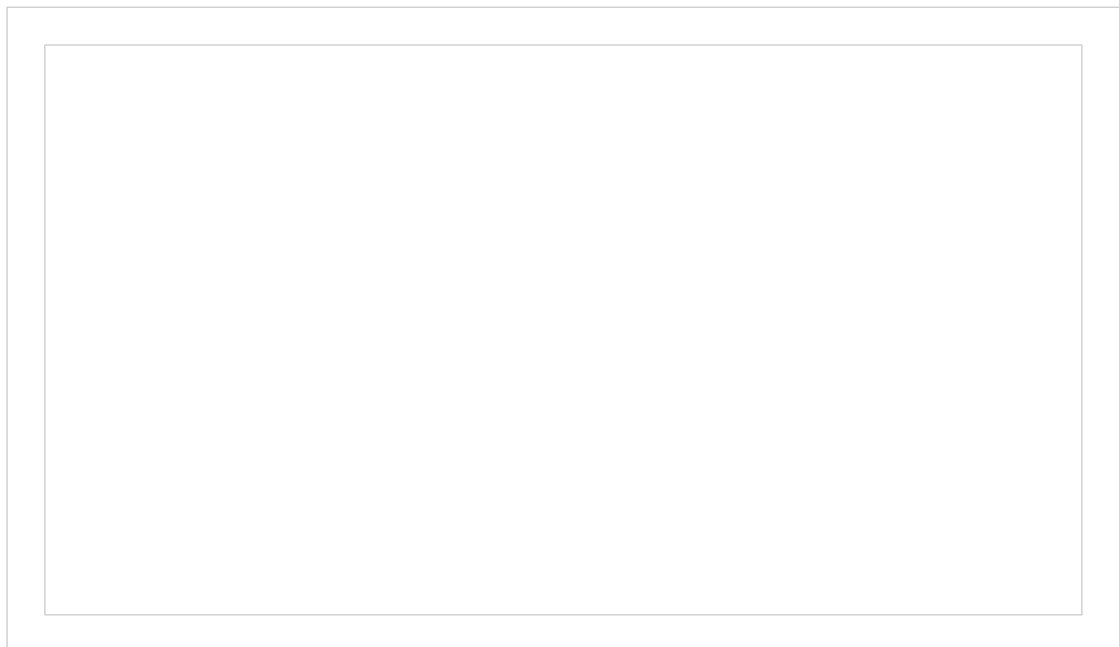


For the next example lets create a double frame around the notes area, using the `LATEX` `picture` environment:

```
\newdimen\innerwidth
\newdimen\innerheight
\definestylesstyle{dframe}{%
  \innerwidth\textwidth\advance\innerwidth-10mm\relax
  \innerheight\remainingtextheight\advance\innerheight-10mm\relax
  \let\unitlength\relax
  \begin{picture}(\textwidth,\remainingtextheight)(0pt,0pt)
  \color{lightgray}
  \put(0pt,0pt){\framebox(\textwidth,\remainingtextheight){}}
  \put(5mm,5mm){\framebox(\innerwidth,\innerheight){}}
  \end{picture}}
\notesfill[notesstyle=dframe]
```

Here first two dimens are needed to calculate the height and width of the inner frame. These length are calculated first. Then a trick is used to make the `picture` environment work with lengths: `\unitlength` is set to `\relax`, thus disabling it. Caution: this requires to give the optional argument for an offset as `(0pt,0pt)`, otherwise an error will occur. Additionally, a color for the frames is set. Since the new notes style is used within a group, disabling `\unitlength` and setting a color without resetting them has no repercussions outside the `\notesfill`.

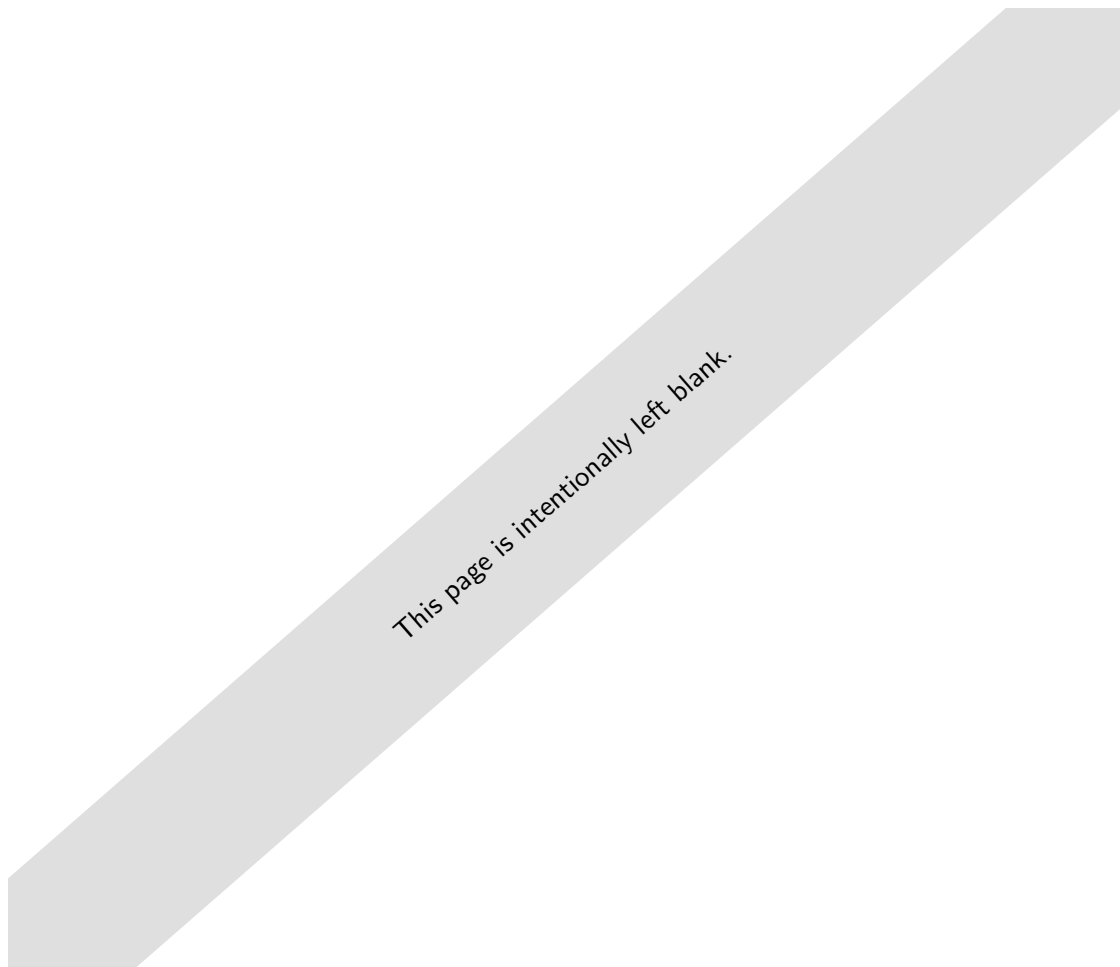
## Notes



It is also possible to use TikZ to define notes styles. Here the bounding box is used to keep the size of the picture to the exact size of the notes area. For the text `\notesareatext` is used, thus using the text passed to the option `notestext`.

```
\definestyles{slash}{%
  \begin{tikzpicture}[color=gray!25]
  \useasboundingbox (0,0) rectangle (\textwidth,\remainingtextheight);
  \clip (0,0) rectangle (\textwidth,\remainingtextheight);
  \draw[line width=2cm]
    (0,0) to node[color=black,sloped]{\textsf{\notesareatext}}
    (\textwidth,\remainingtextheight);
  \end{tikzpicture}}
\notesfill[notesstyle=slash]
```

## Notes



This page is intentionally left blank.

Here is another example using TikZ. It defines a mm graph paper, which always has a whole number of cm in both direction and is centered in the notes area.

```

\newdimen\xoffset
\newdimen\yoffset
\definestylesstyle{mmgp}{%
  \begin{tikzpicture}[color=gray!25]
    \pgfmathsetlength{\xoffset}{
      (\textwidth-(floor(\textwidth/1cm+0.01)*1cm))/2}
    \pgfmathsetlength{\yoffset}{
      (\remainingtextheight-(floor(\remainingtextheight/1cm+0.01)*1cm))/2}
    \useasboundingbox (0,0) rectangle (\textwidth,\remainingtextheight);
    \draw[xshift=\xoffset,yshift=\yoffset,very thin]
      (0,0) grid [step=1mm]
      (\textwidth-2\xoffset,\remainingtextheight-2\yoffset);
    \draw[xshift=\xoffset,yshift=\yoffset,line width=0.5pt]
      (0,0) grid [step=5mm]
      (\textwidth-2\xoffset,\remainingtextheight-2\yoffset);
    \draw[xshift=\xoffset,yshift=\yoffset,thick]
      (0,0) grid [step=1cm]
      (\textwidth-2\xoffset,\remainingtextheight-2\yoffset);
    \end{tikzpicture}}
\notesfill[notesstyle=mmgp]

```

## Notes



The next example is just for showing the effect of the option `titlenotesfill`. It is not really useful (unless you want to torture your readers for scribbling in your painfully worded masterpiece by making them write in circles). Here the bounding box is set to a square.

Caution: since the height is fixed, this notes style is not really suitable for a notes fill. If it doesn't fit on the page, it will be moved to the next.

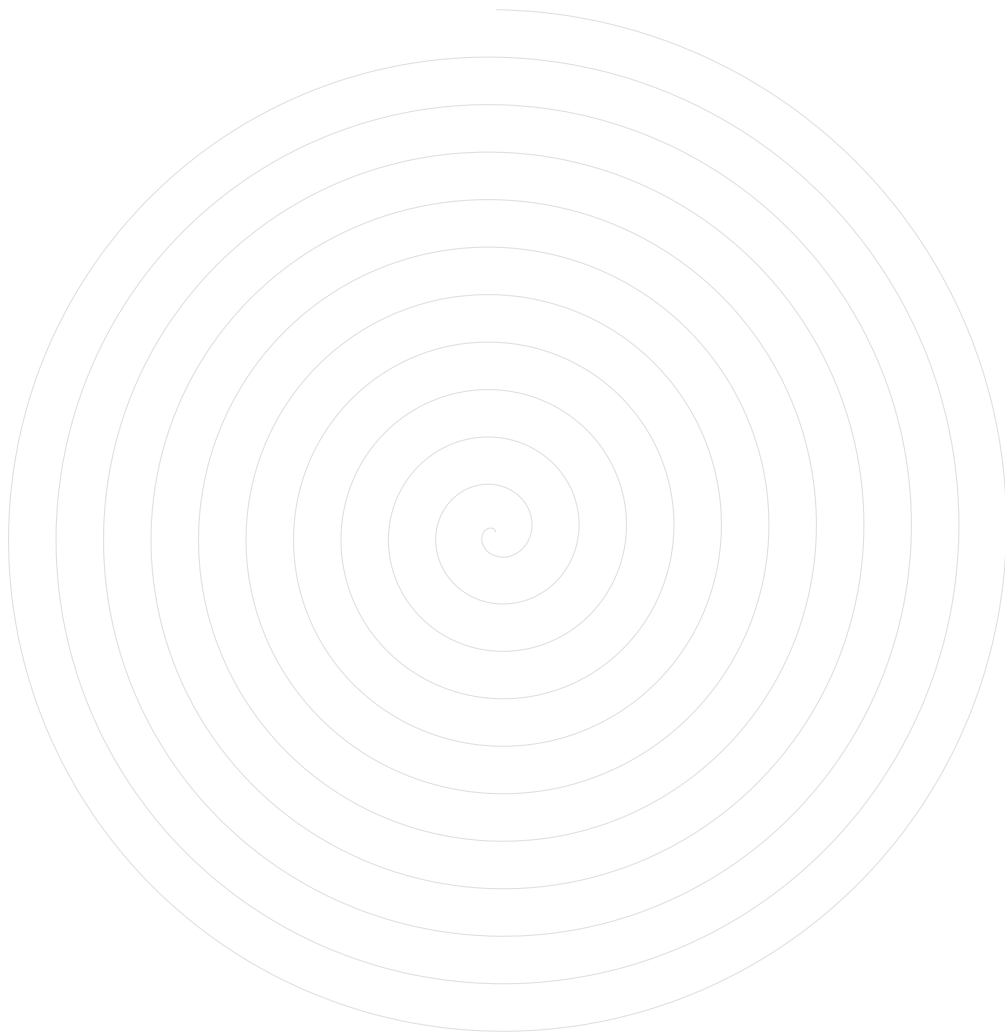
```
\definestyle{spiral}{%
  \begin{tikzpicture}[color=gray!25]
  \useasboundingbox (-0.5\textwidth,-0.5\textwidth) rectangle
    (0.5\textwidth,0.5\textwidth);
  \draw[domain=0:22*3.14159,smooth,variable=\t,samples=1000] plot
    ({-0.1*\t*sin(\t r)},{0.1*\t*cos(\t r)});
  \end{tikzpicture}}
\notespage[notesstyle=spiral,titletext={Write in Circles}]
\notespage[notesstyle=spiral,titletext={Write in Circles},
  titlenotesfill]
```

**Write in Circles**





**Write in Circles**



## 4.5 The command `\nppatchchapter`

Page 68 (among others) would be empty here, if a book class is used. This is, because a new chapter normally starts on a right hand page and so a left hand page may be left empty. To put a notes page there, one could manually add a line like

```
\notespages[vacant,multiple=2,
  notestext={An empty page before a new chapter.}]
```

before every new chapter. But with `\nppatchchapter` this can be automated. It changes `\chapter` so it behaves like

```
\notespages[...]
\chapter
```

The optional argument for `\notespages` is the argument passed to `\nppatchchapter`. And the new `\chapter` can just be used like the original one.

In the preamble of this document the lines

```
\nppatchchapter{default,vacant,multiple=2,
  notestext={An empty page before a new chapter.}}
```

were added to make the empty pages before a new chapter into a notes pages. The option `default` assures, that no changes of the settings (this includes packages options and settings done with `\setnotespages`) will change their appearance. And with `multiple=2` there will be no more then one notes page before a new chapter instead of up to three with the default value of 4.

The command `\nppatchchapter` can be used multiple times in a document, enabling the user to change the appearance of a notes page before a new chapter. The command is:

```
\nppatchchapter{default,vacant,multiple=2,
  notestext={Another notes page\
              automatically inserted\
              before a new chapter.}}
```

### Fill it

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Another notes page  
automatically inserted  
before a new chapter.

# 5 Colors and Languages

## 5.1 Colors

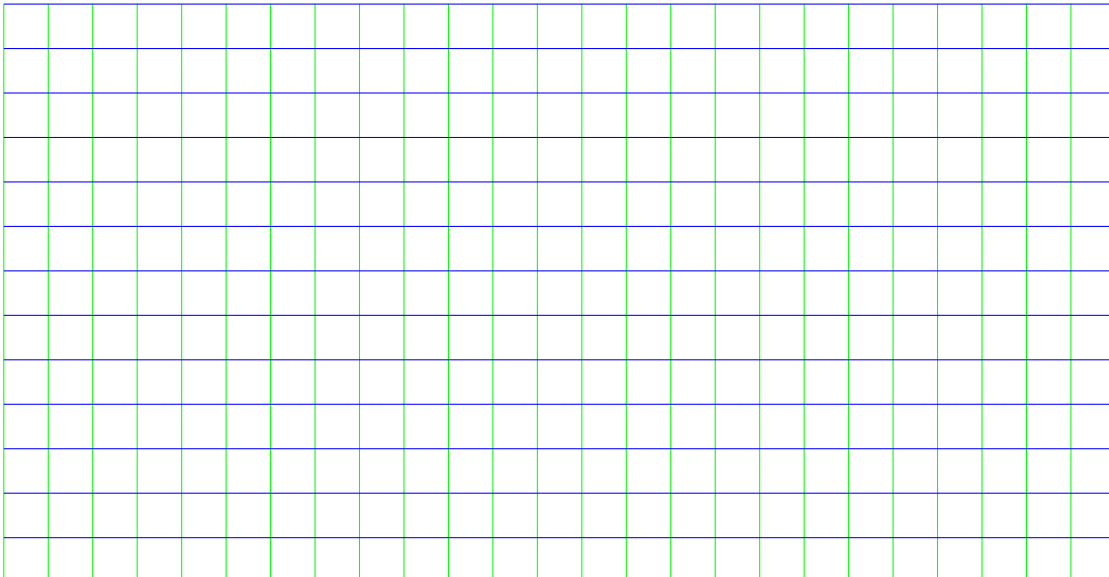
The NotesPages package uses three colors.

- NotesHColor for horizontal lines in the notes styles *lines* and *grid*,
- NotesVColor for vertical lines in the notes styles *vlines* and *grid*, and
- NotesTextColor for the text in the notes style *text*.

Colors can be redefined, so it's possible to change them at any time. To make the changes local, they are put in a group here.

```
{\definecolor{NotesHColor}{rgb}{0,0,1}  
 \definecolor{NotesVColor}{rgb}{0,1,0}  
 \definecolor{NotesTextColor}{rgb}{1,0,0}  
 \notesfill  
 \notespage[notestyle=text]}
```

### Notes



## Notes

This page is intentionally left blank.

## 5.2 Languages

So far, only English, French, and German are supported. Up until now English was used in this document. Here are examples for the other ones.

```
\selectlanguage{french}
\notespage[notesstyle=text]
\selectlanguage{ngerman}
\notespage[notesstyle=text]
\selectlanguage{english}
```

New languages will be supported, as users provide the translations. But naturally, this will take some time. So if your language is not supported yet and you can't wait, you can add the following to the preamble of your document (of course with the correct translations):

```
\setnotespages{titletext={No Clue},
  notestext={No clue what this is in your language.}}
```

This is sufficient for documents in one language. But caution, using the option `default` will reset these texts. That can be solved by redefining `\npnotesname` and `\npnotestext` instead. For multilingual documents you can add for example

```
\addto{\extrasitalian}{\def\npnotesname{No Clue}%
  \def\npnotestext{No clue what this is in Italian.}}
```

to the preamble (again, for your language and with the correct translations). After that you can use

```
\selectlanguage{italian}
\notespage[notesstyle=text]
```

to get a notes page in the new language.

## **Notes**

Cette page est laissée intentionnellement vide.



## **Notizen**

Diese Seite wurde absichtlich leer gelassen.

*No Clue*

*No Clue*

## **No Clue**

No clue what this is in Italian.

## 6 Other Stuff

### 6.1 The Package `afterpage`

`NotesPages` can be used with the package `afterpage`. This makes it possible to put a notes page on the next page without leaving the page it was invoked half empty. So here the line

```
\afterpage{\notespage[titletext={Notes on \textsl{afterpage}},  
marktext=Notes]}
```

is inserted to get a notes page on the next page, without wasting the remaining space on this one (look into the source, here it comes):

Ok, lets fill this page, so the effect of the example can be seen. You could also start a new section here.

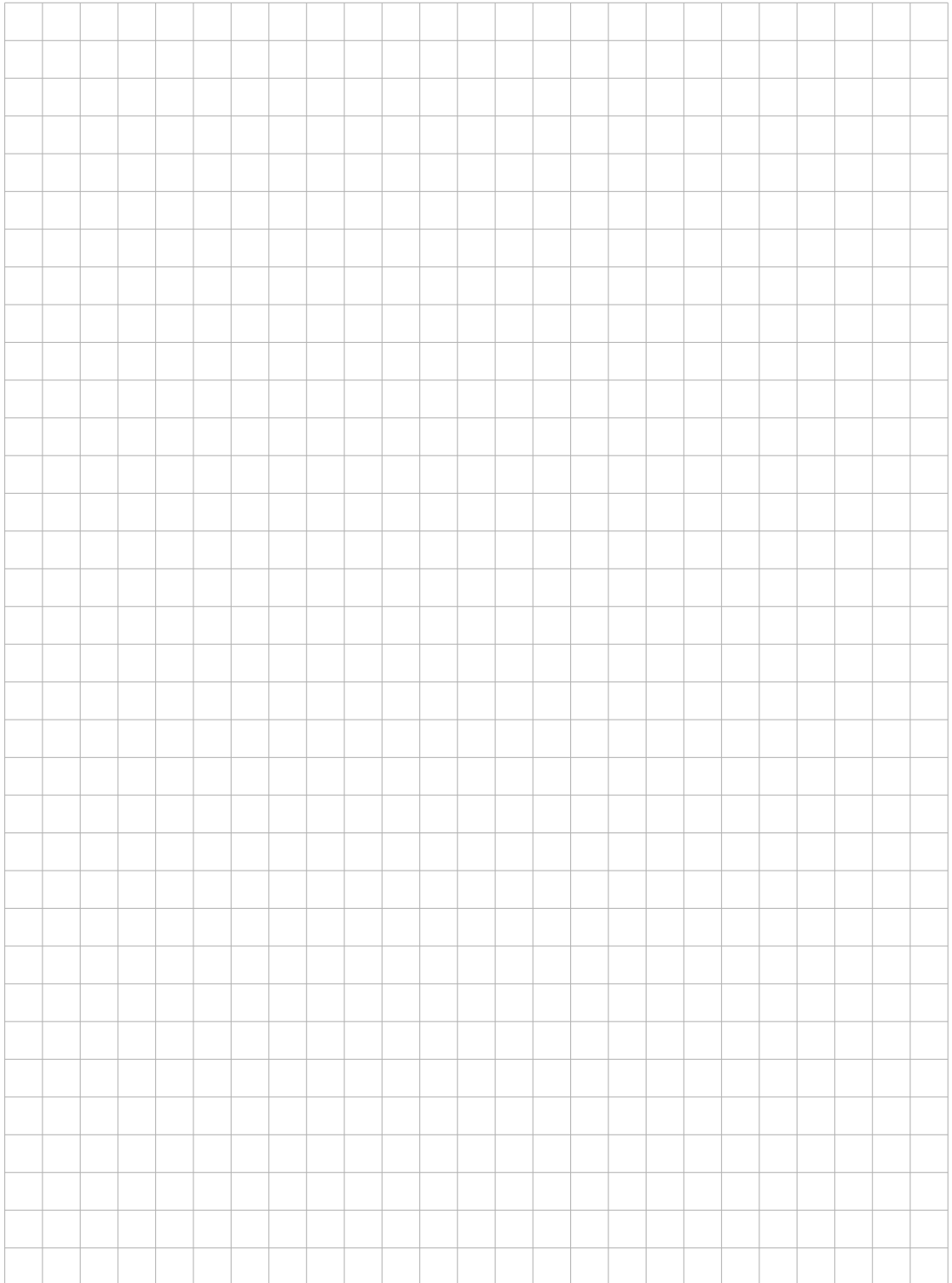
#### **Fill it**

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**Notes on *afterpage***



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## 6.2 The command `\npunpatchchapter`

With `\npunpatchchapter` the original meaning of `\chapter` can be restored. After that, there may be the usual empty before a new chapter, as can be seen on the next page. The command:

```
\npunpatchchapter
```



## 7 The End

Now this is the end of this example file. But I just can't resist to add one more example:

```
\notespages[multiple=100,minpages=100,endpages=1]
```

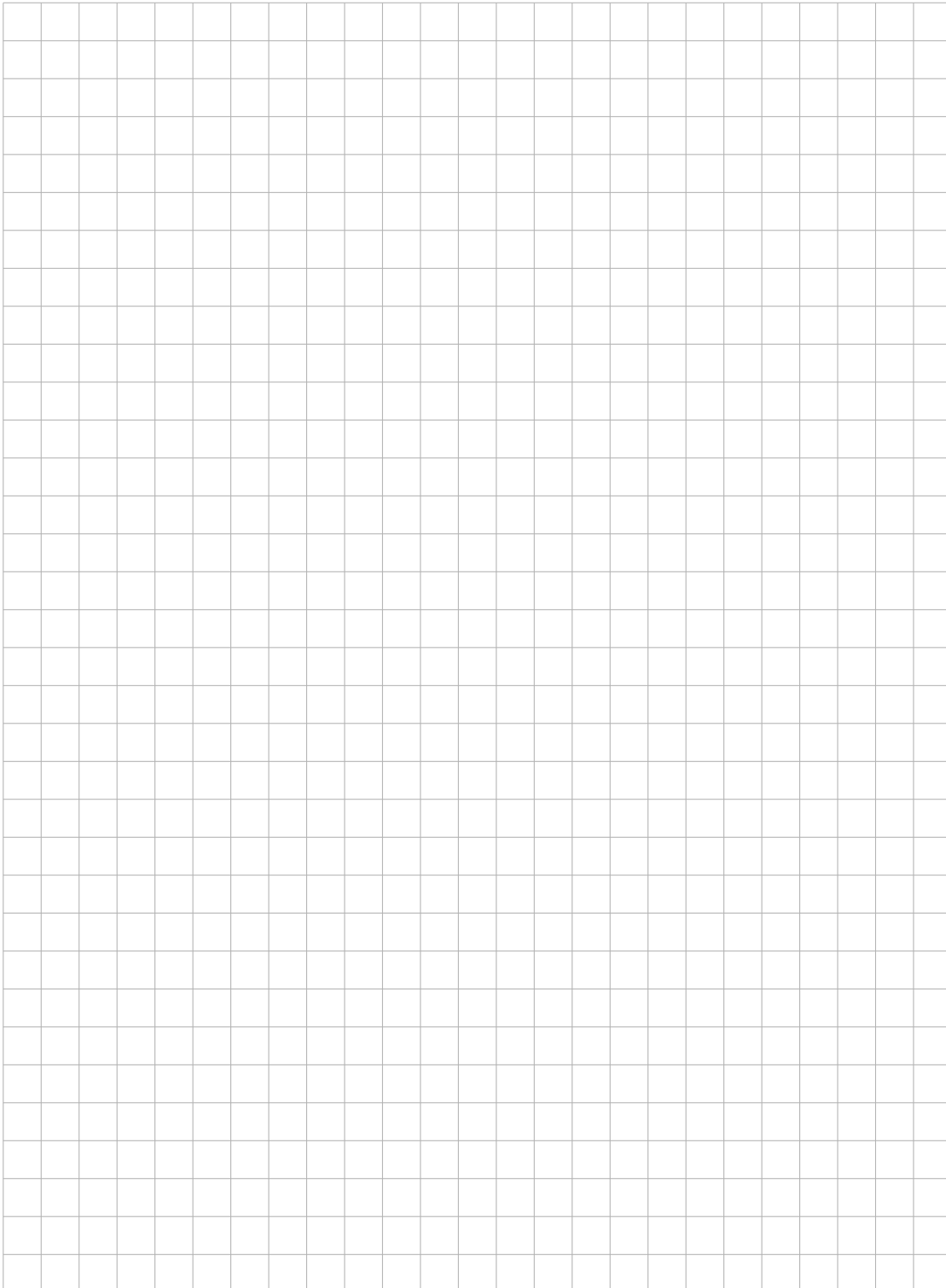
See you on page 200.

## Notes

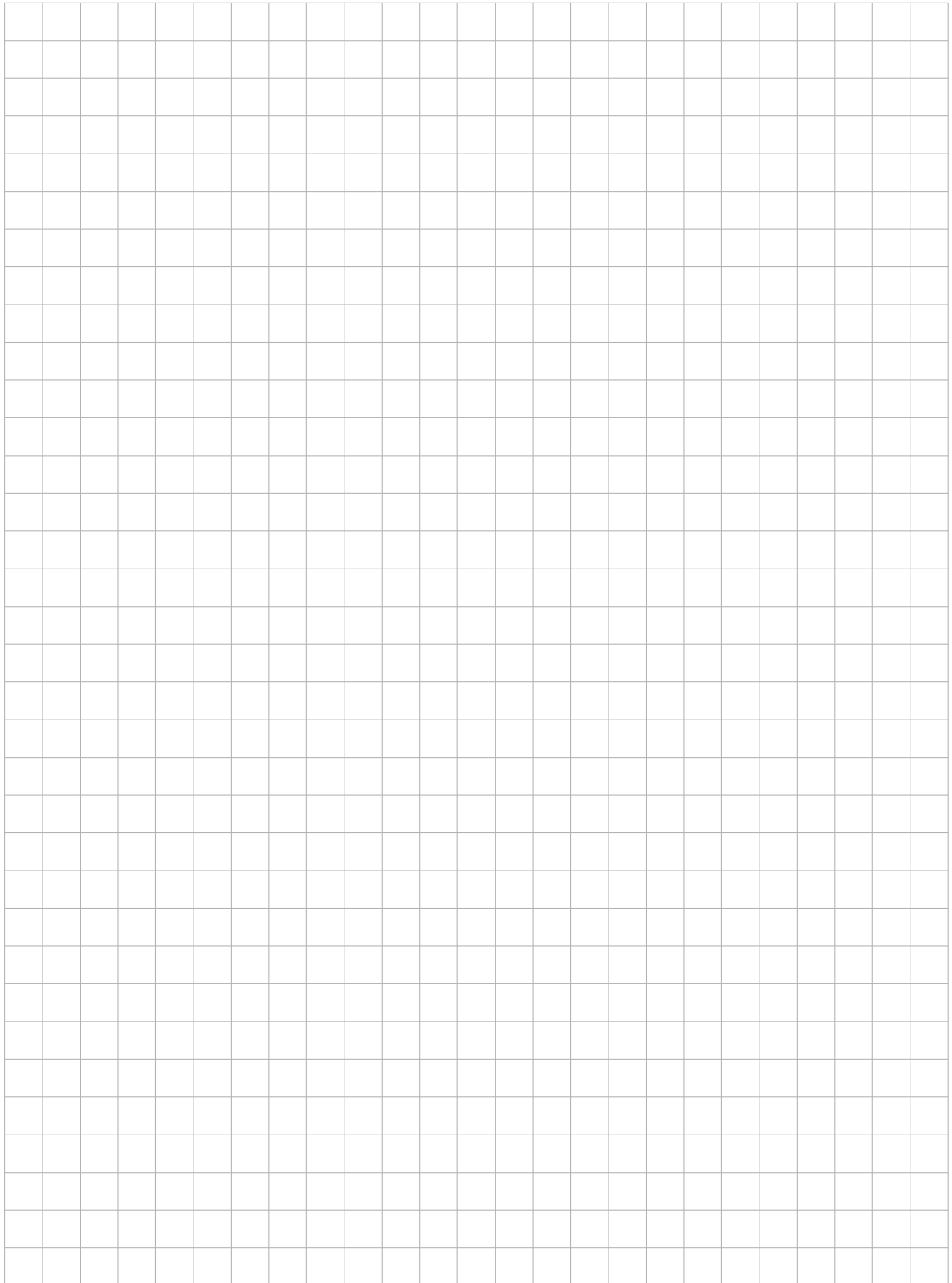




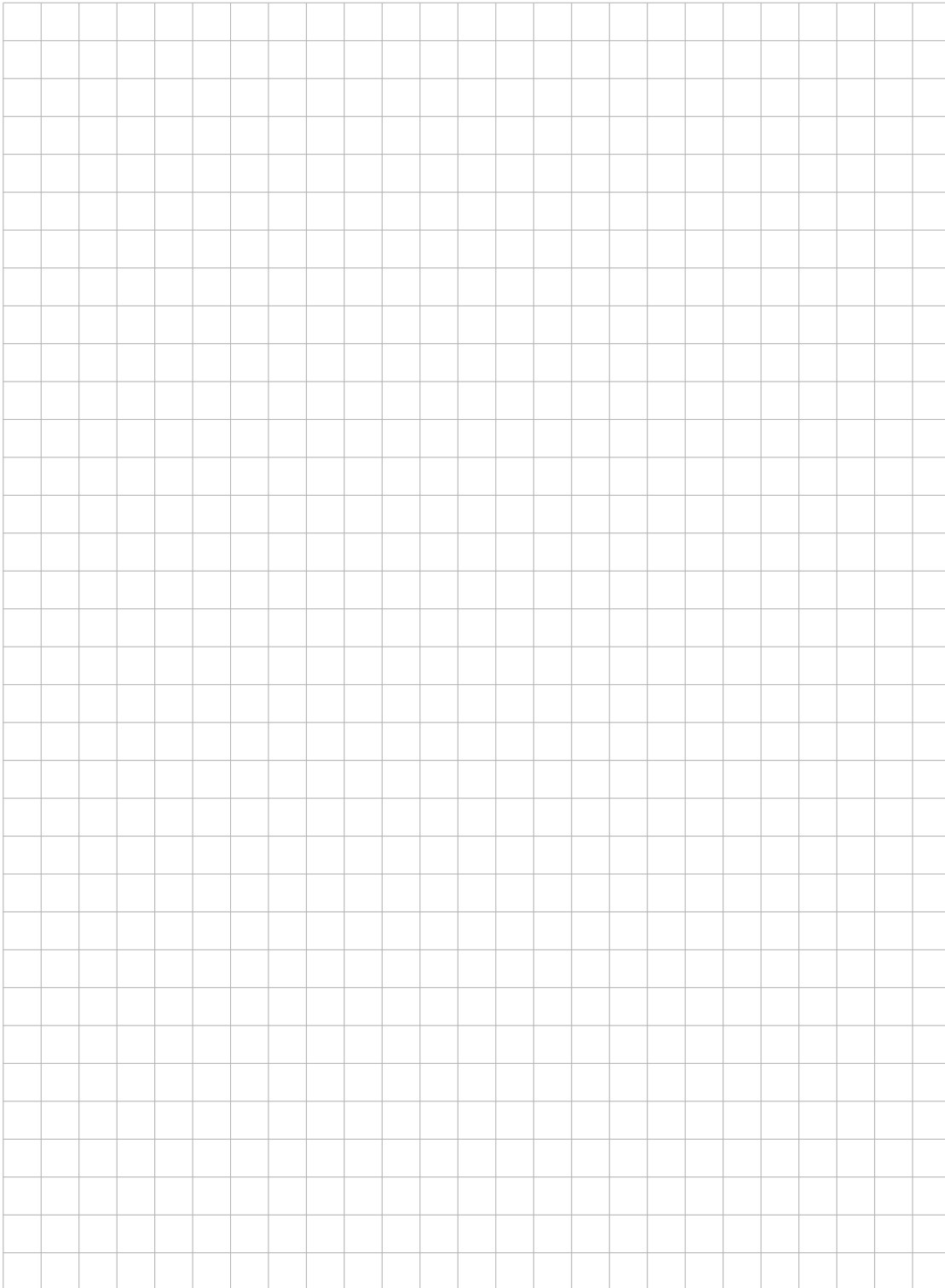
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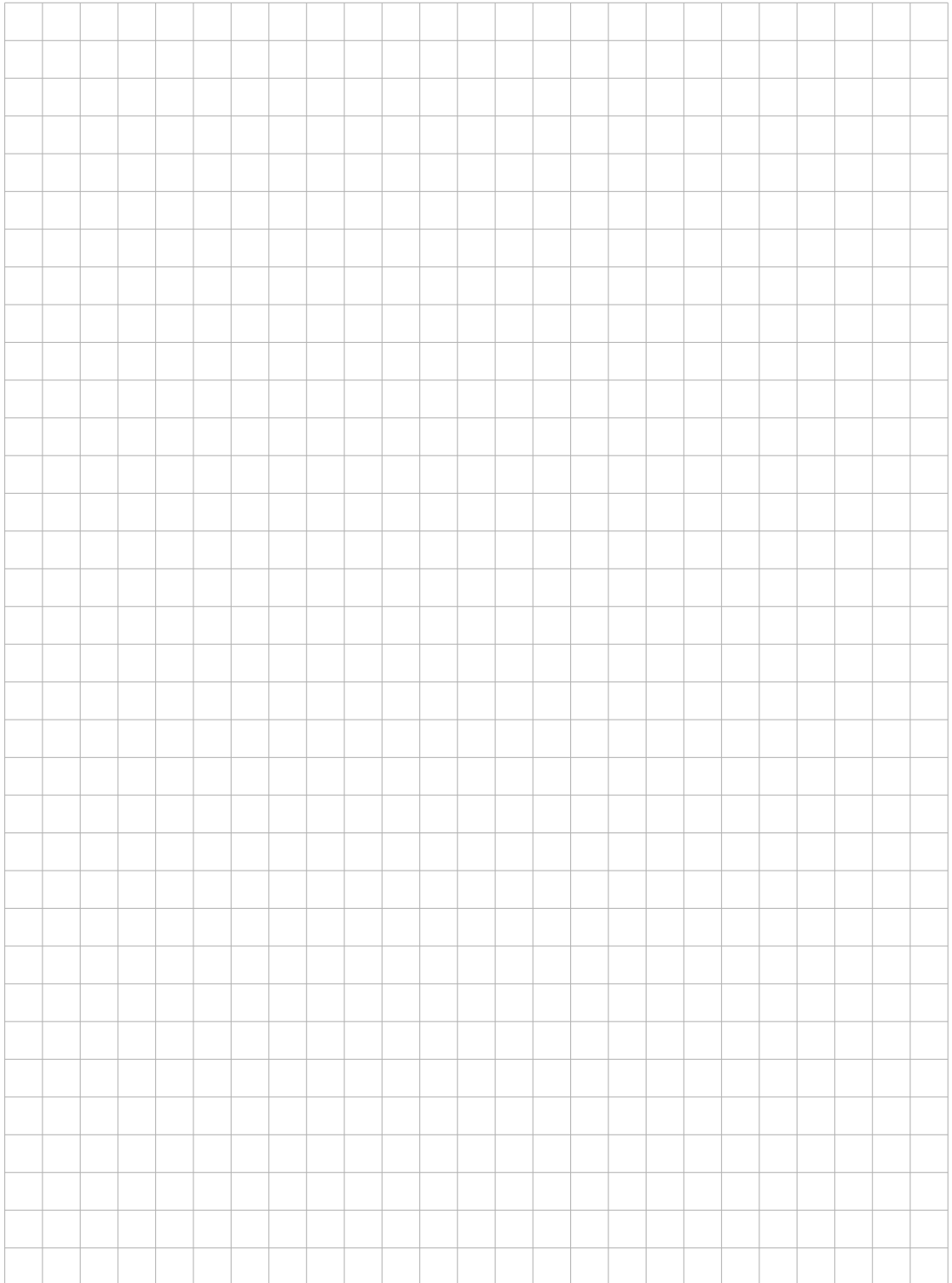
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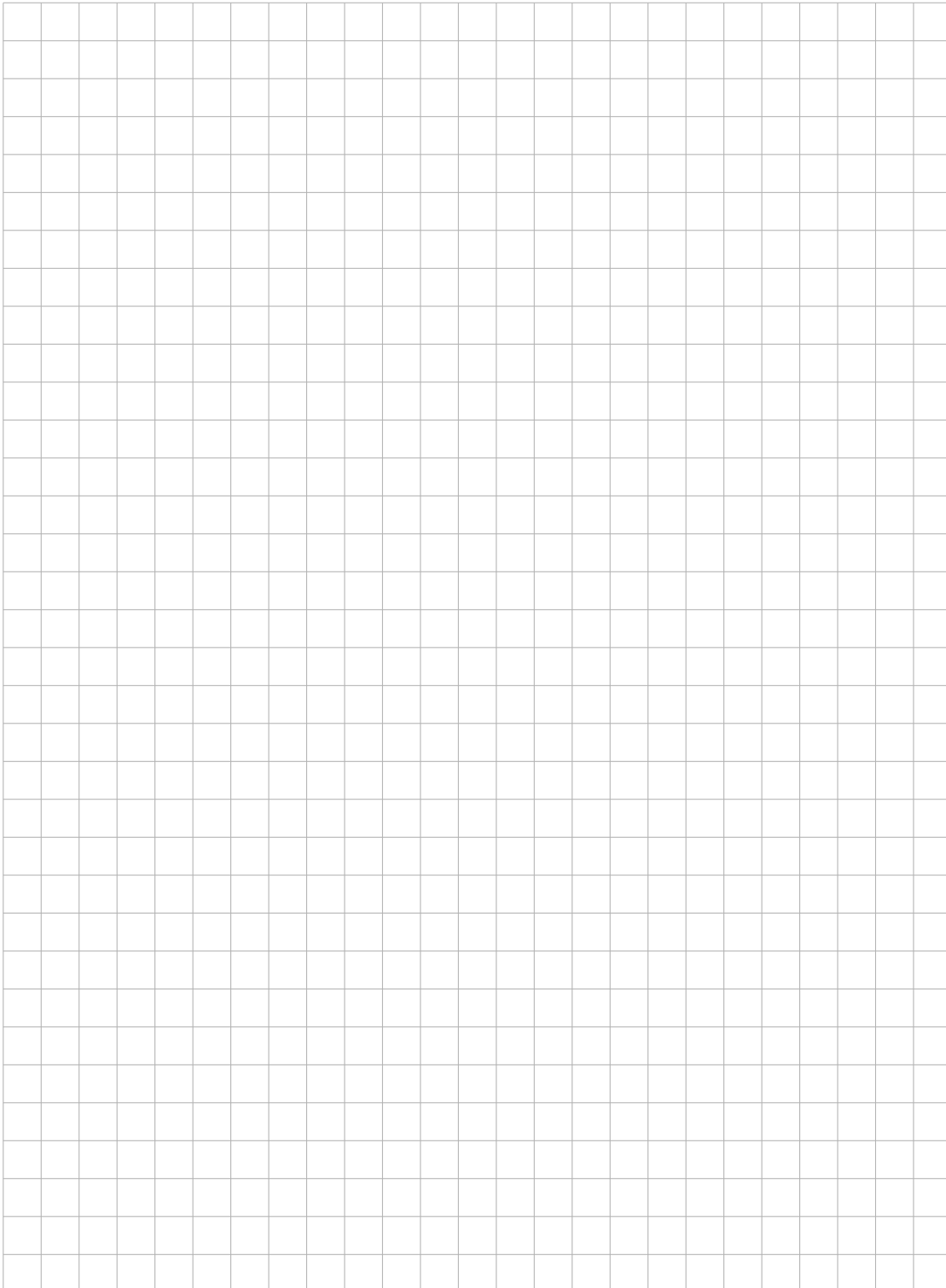
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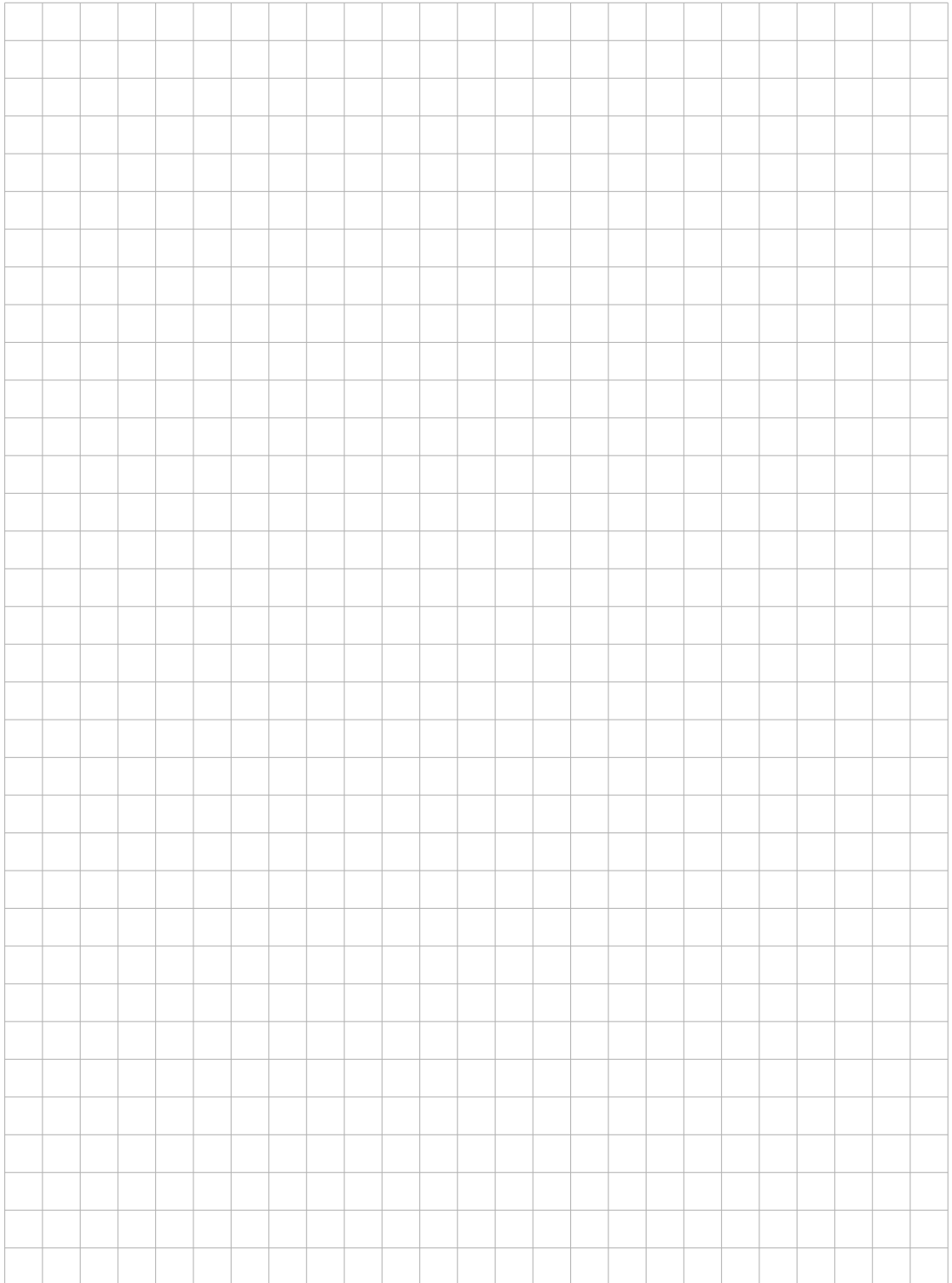
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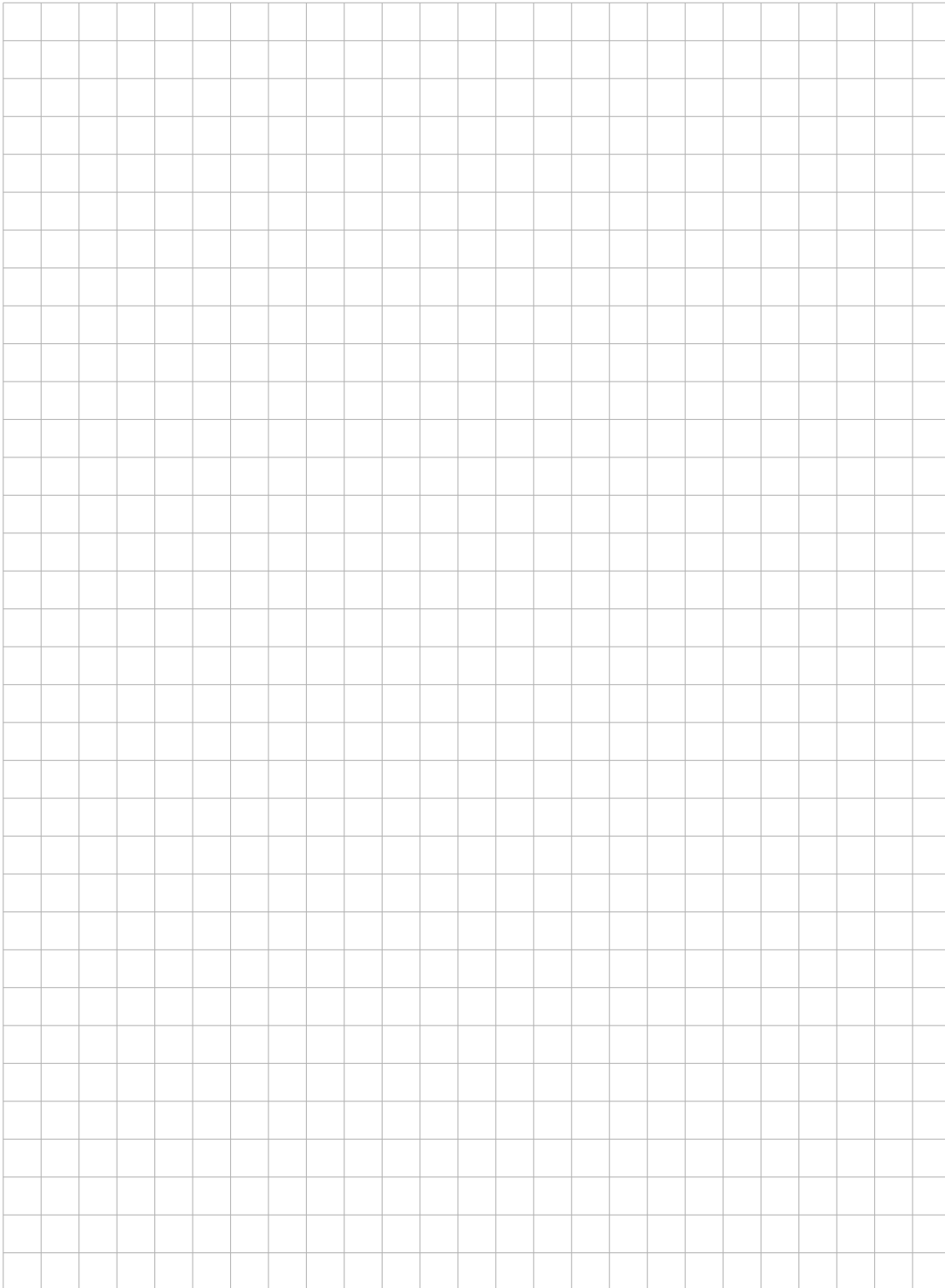
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## Notes



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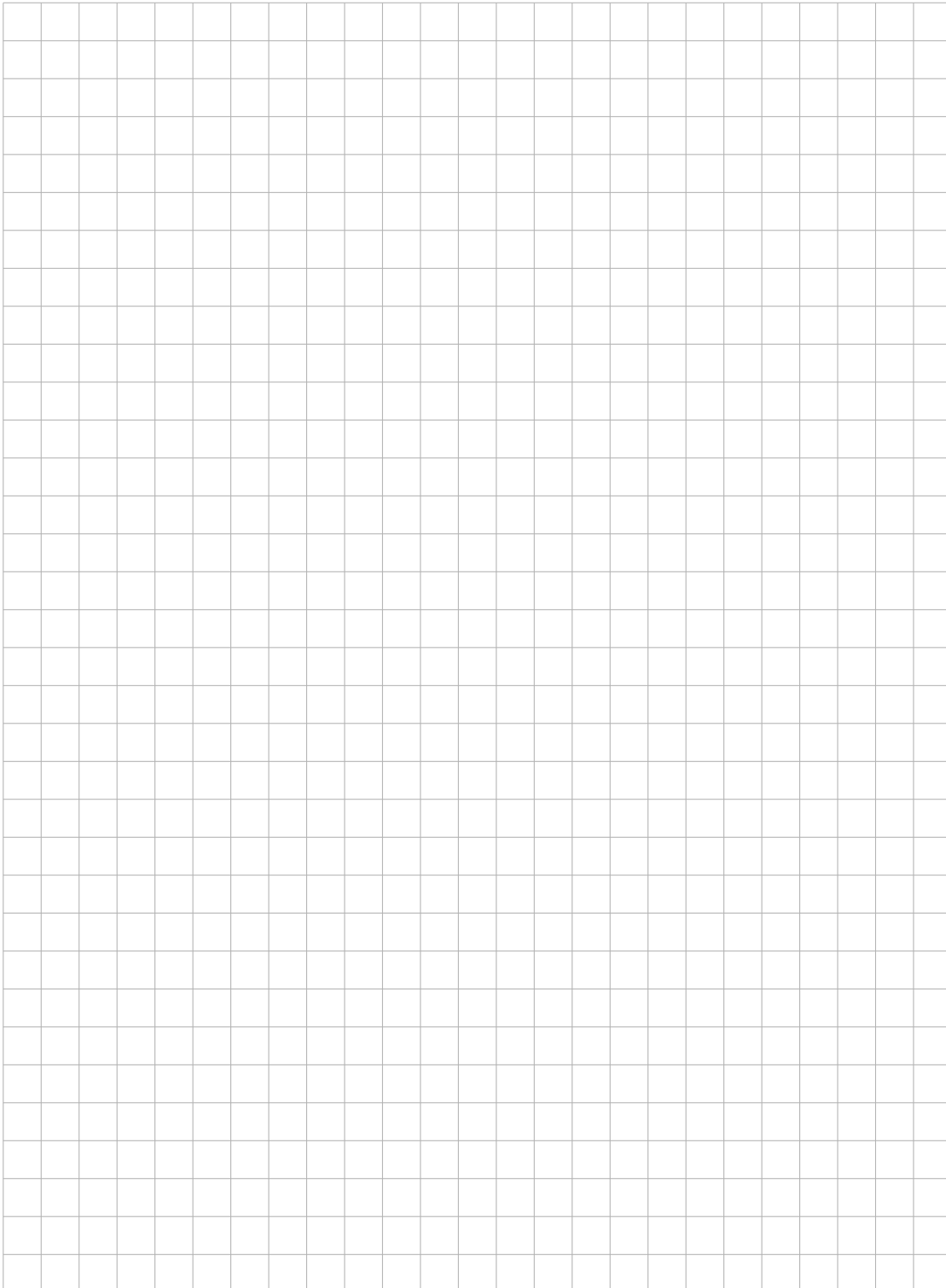


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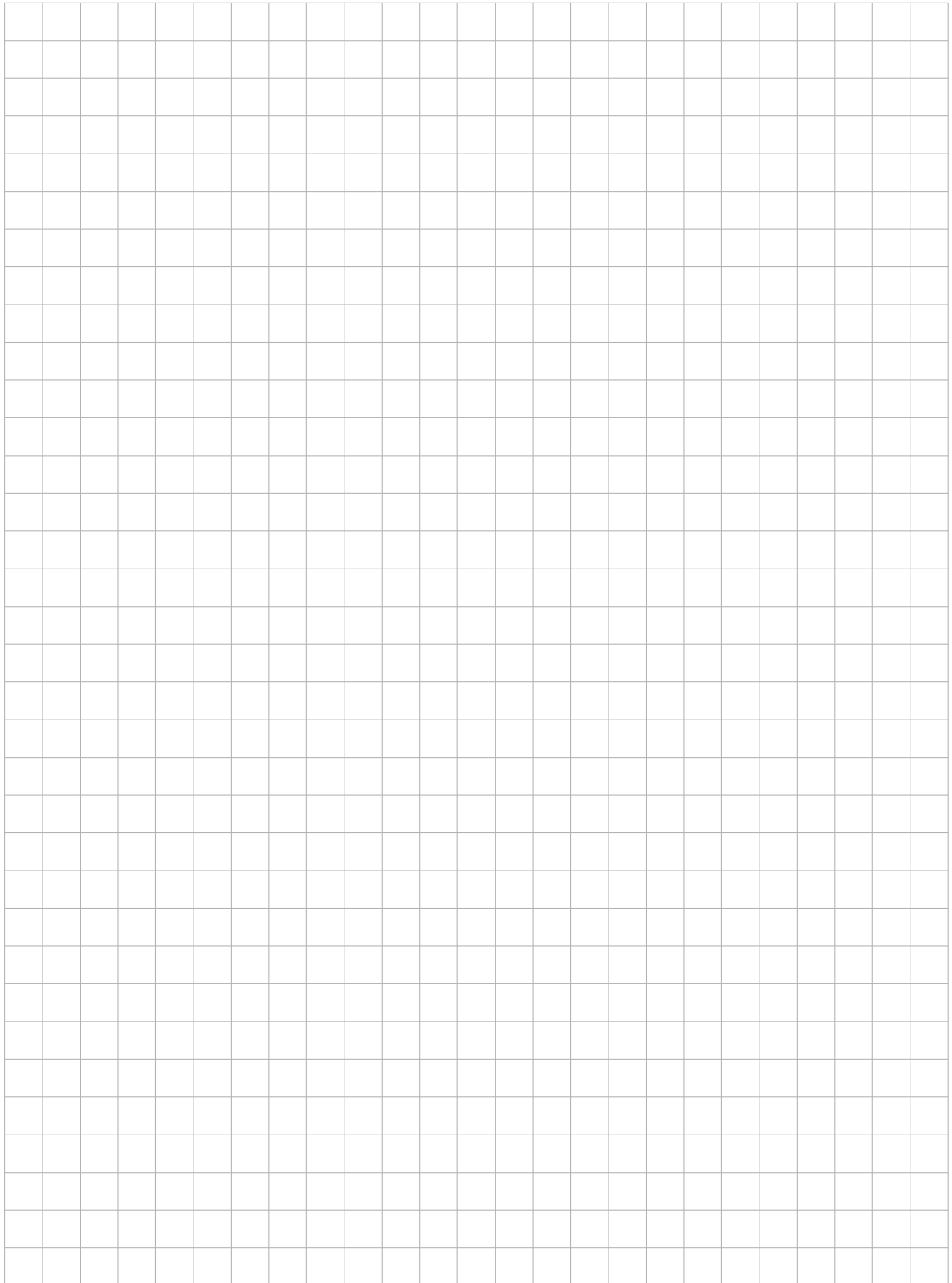




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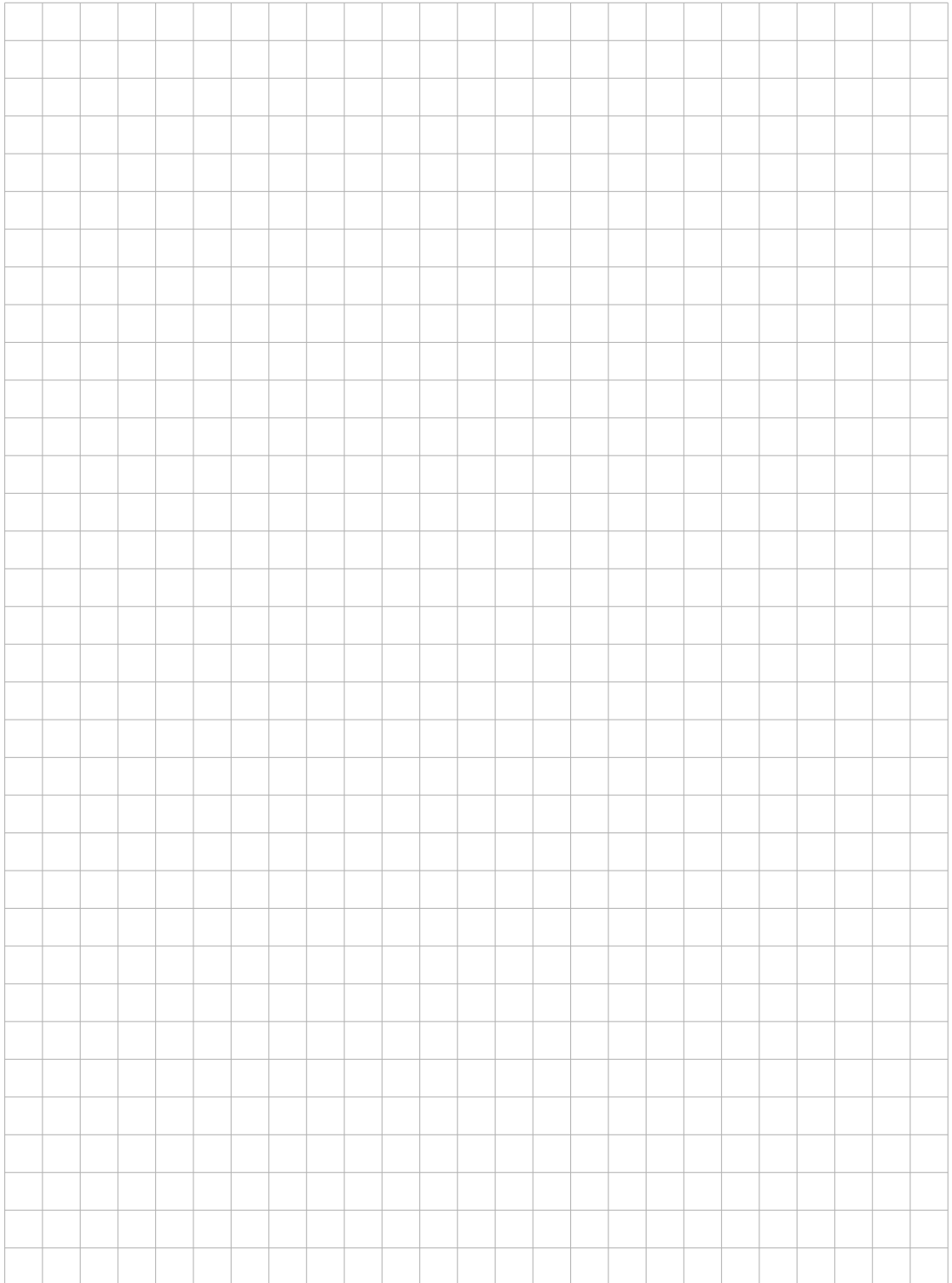
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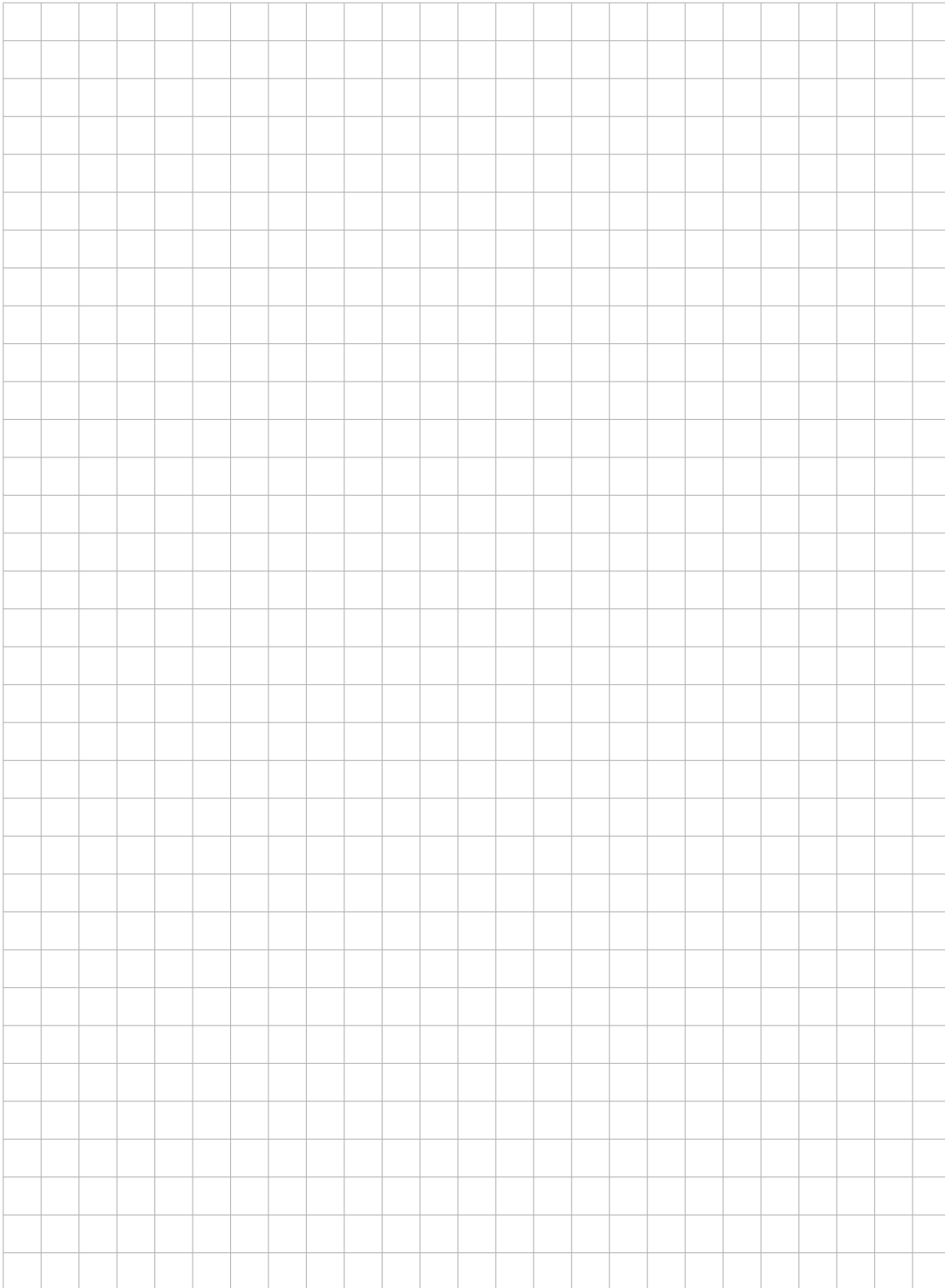
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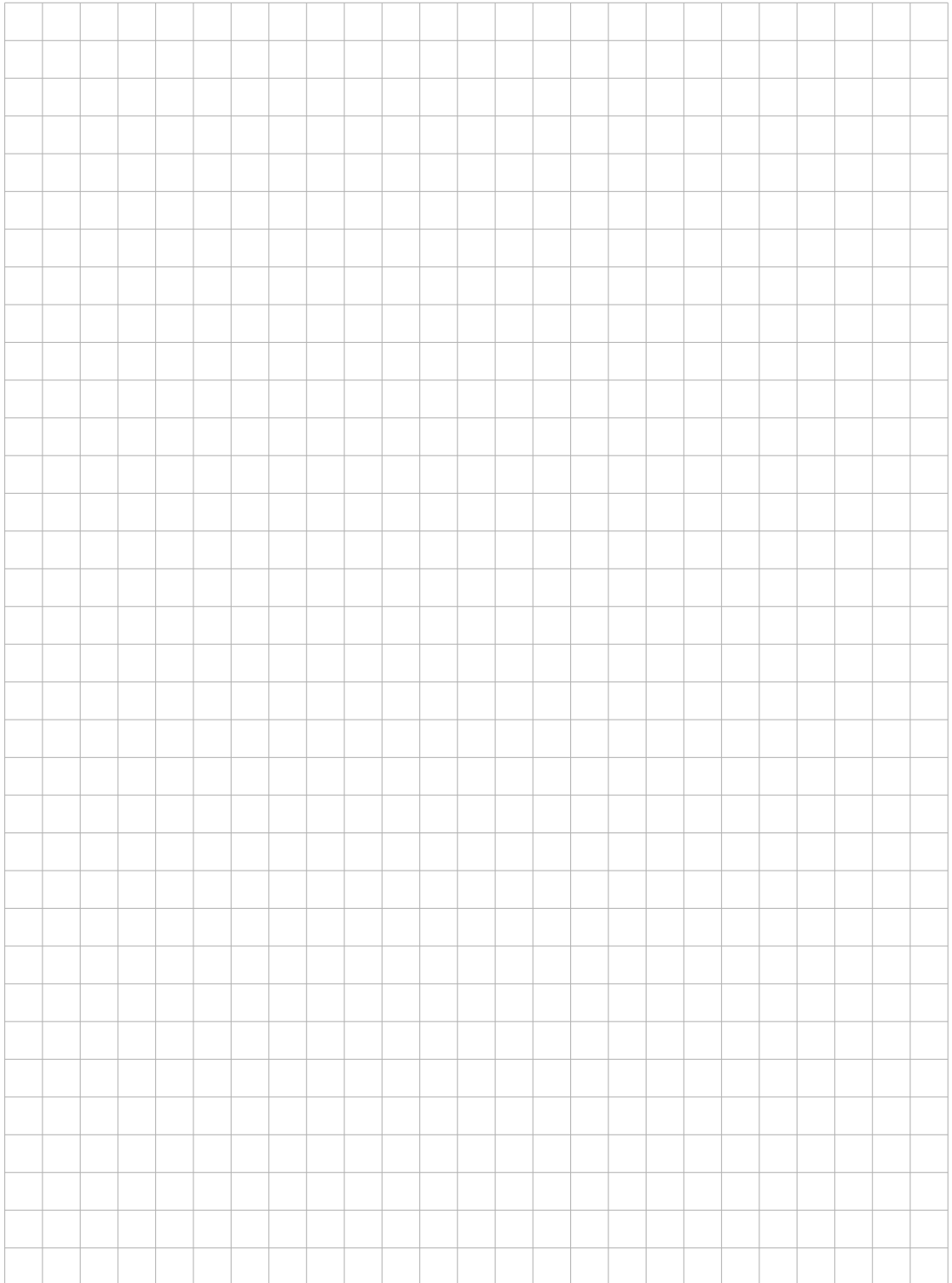
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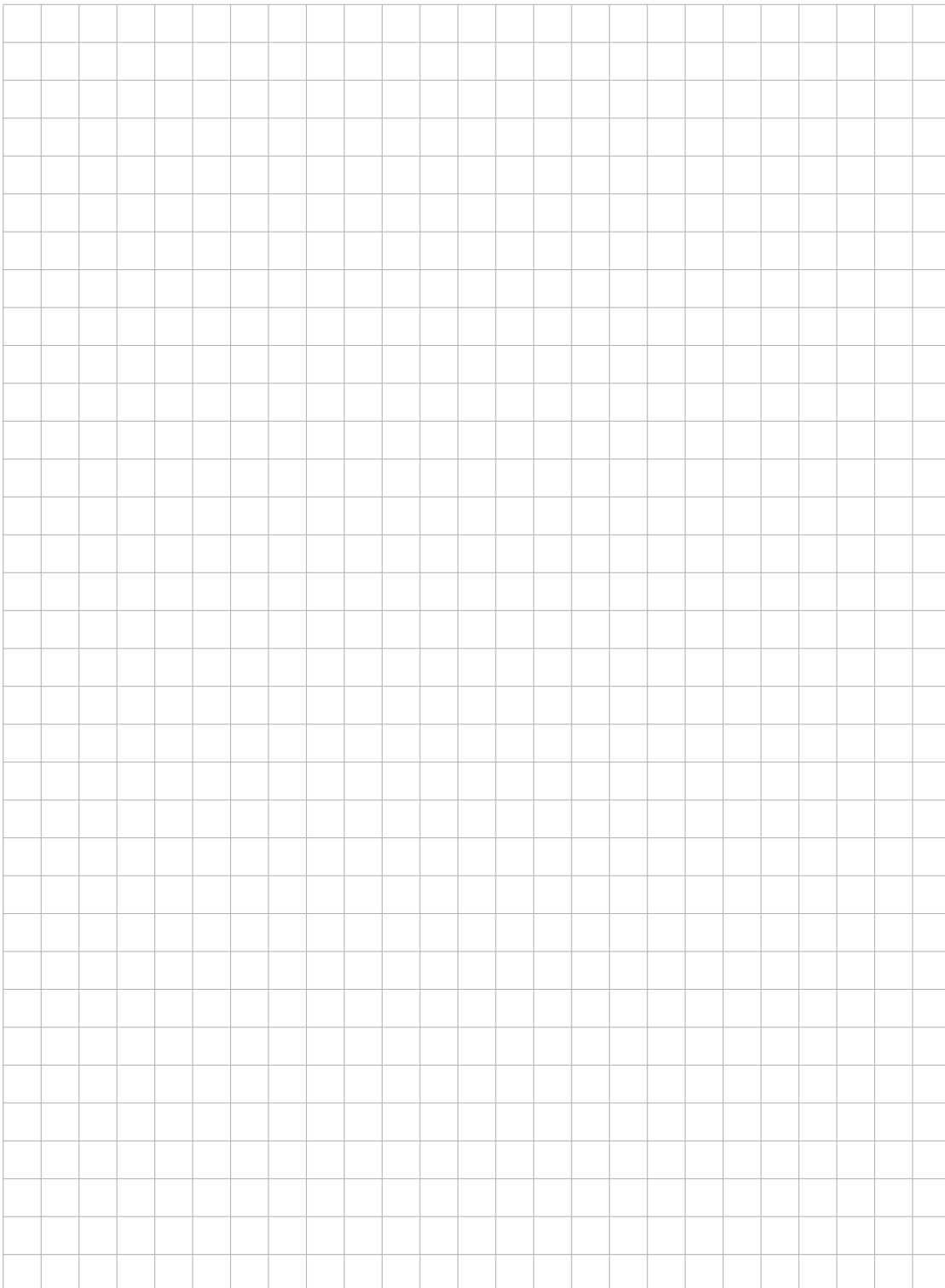
# Notes



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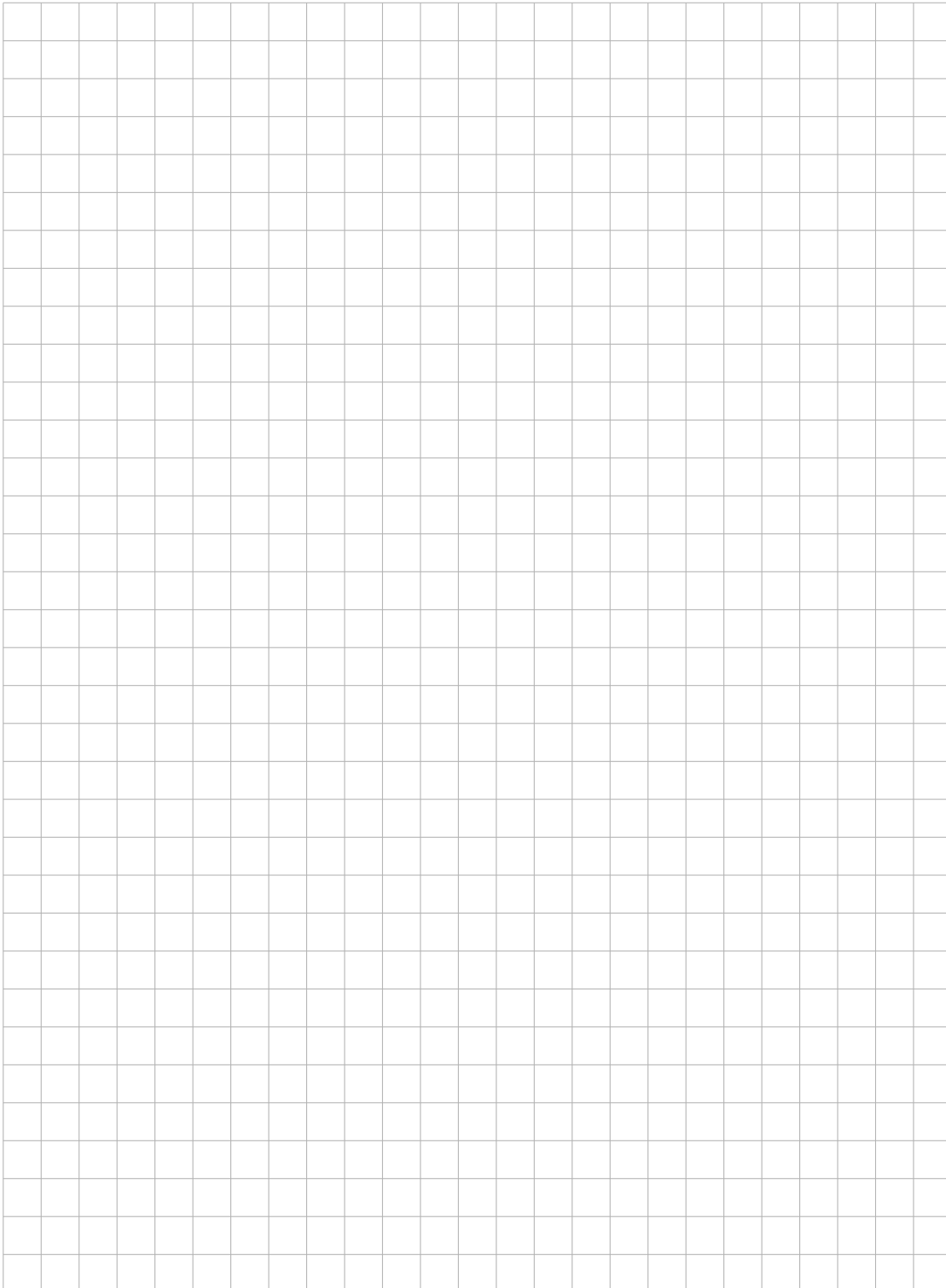


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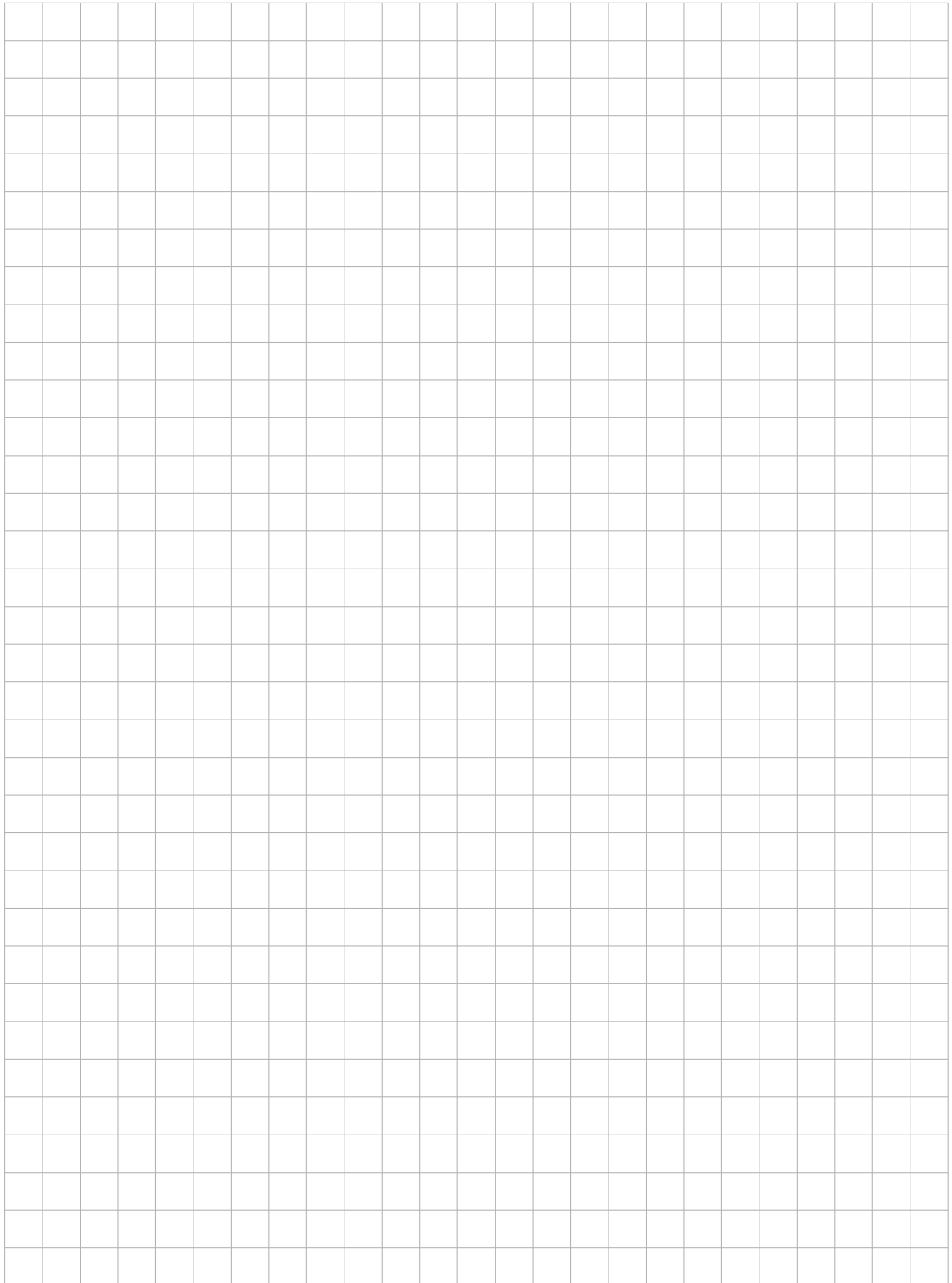




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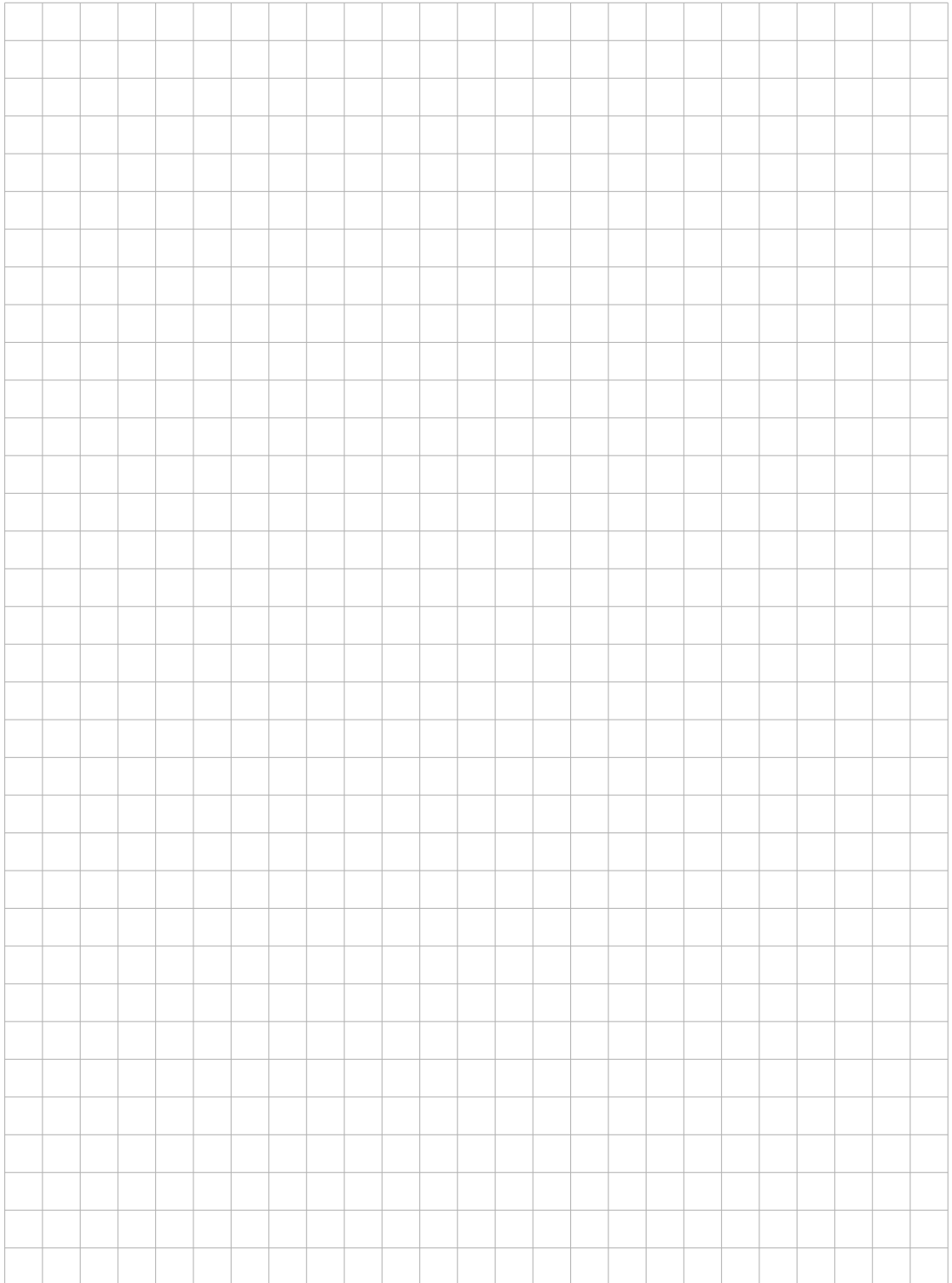
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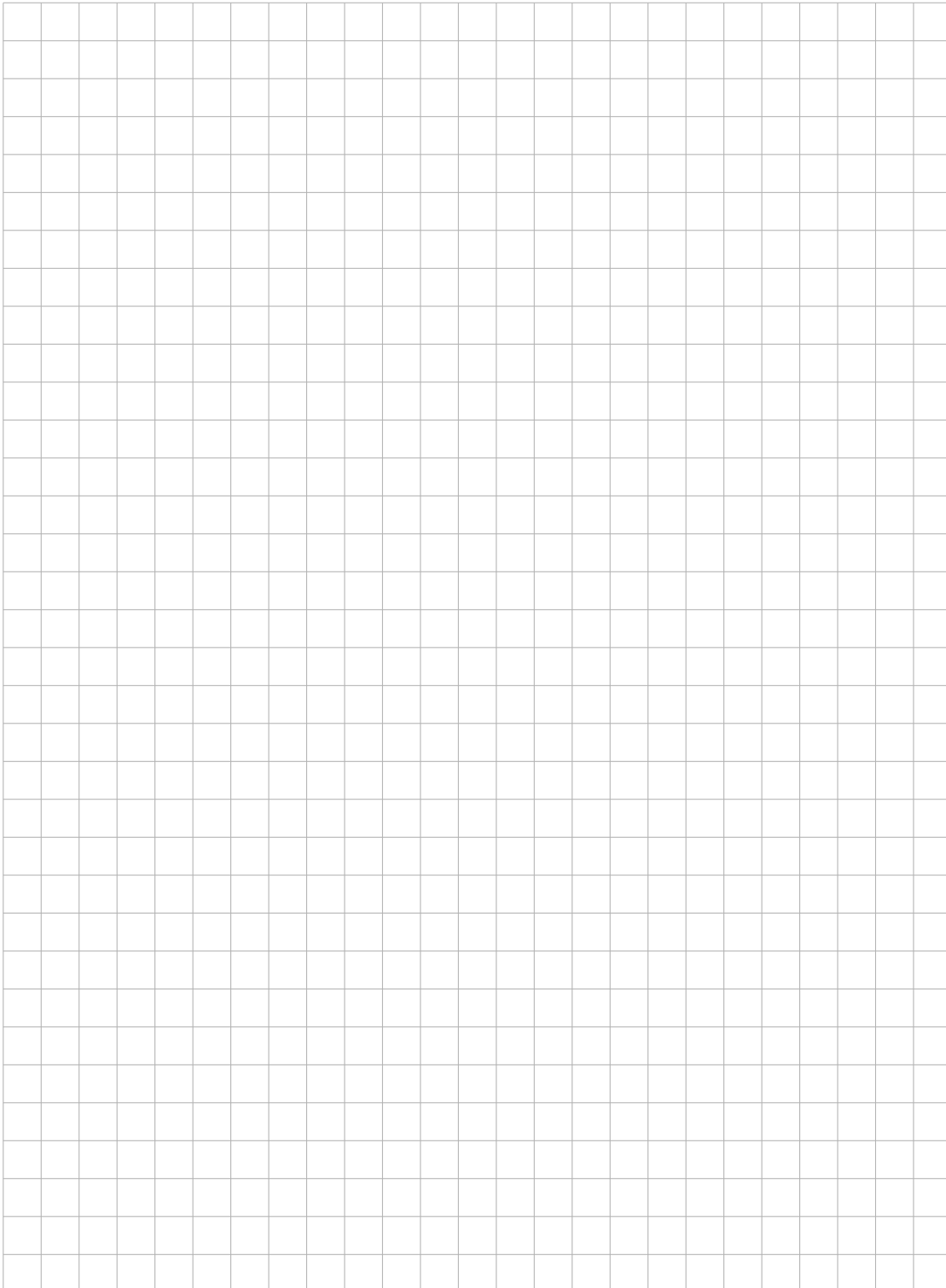
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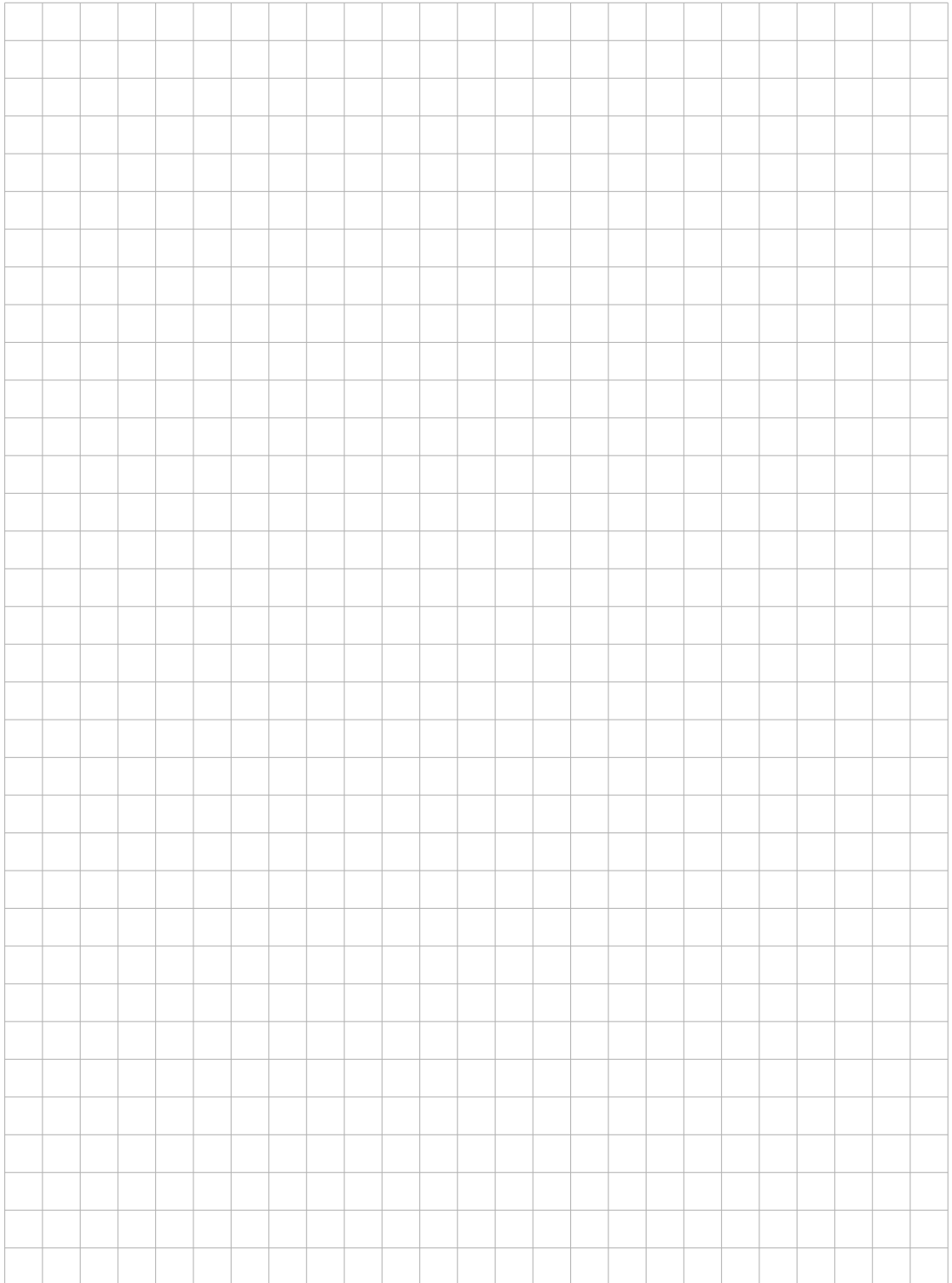
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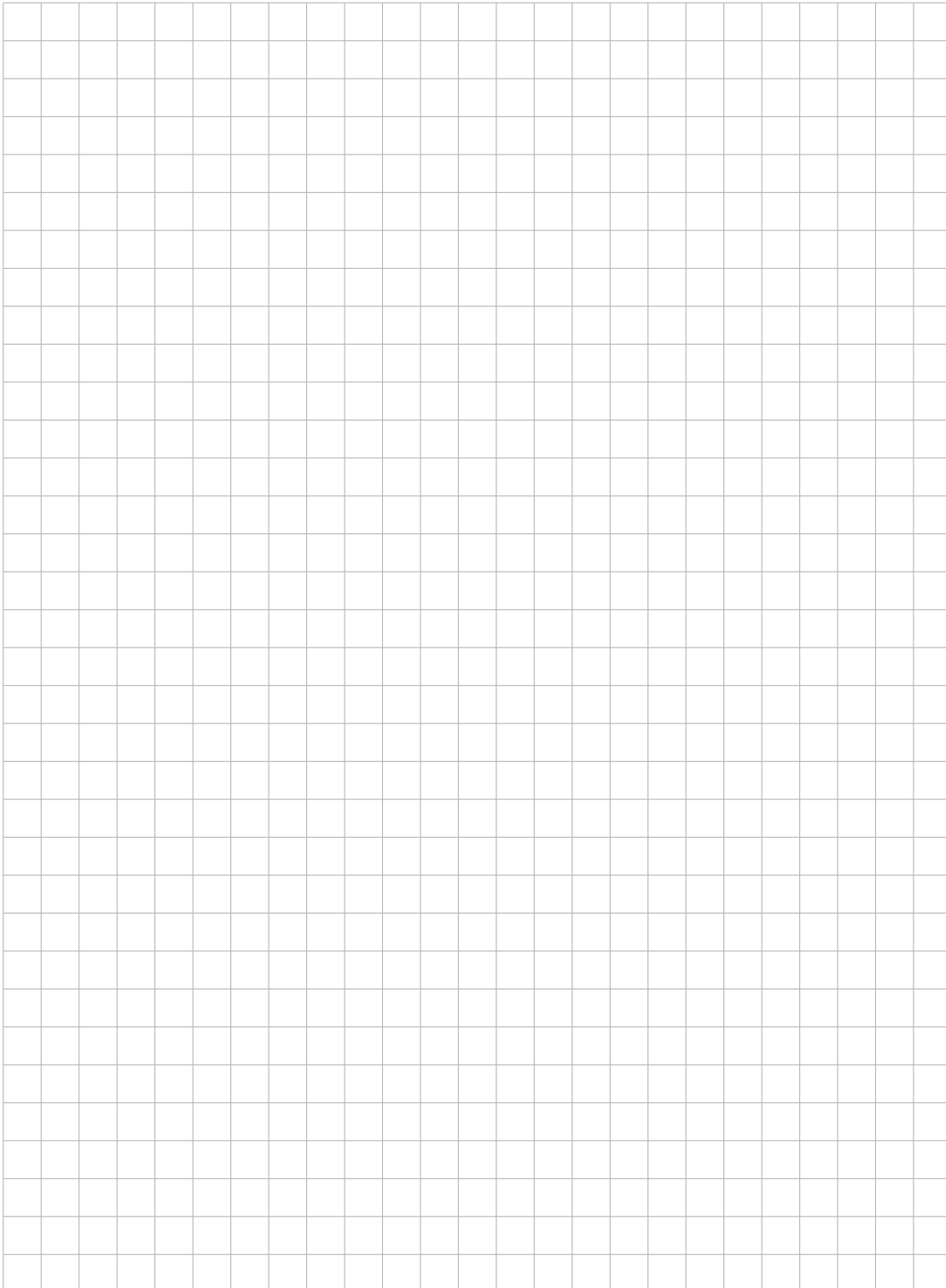
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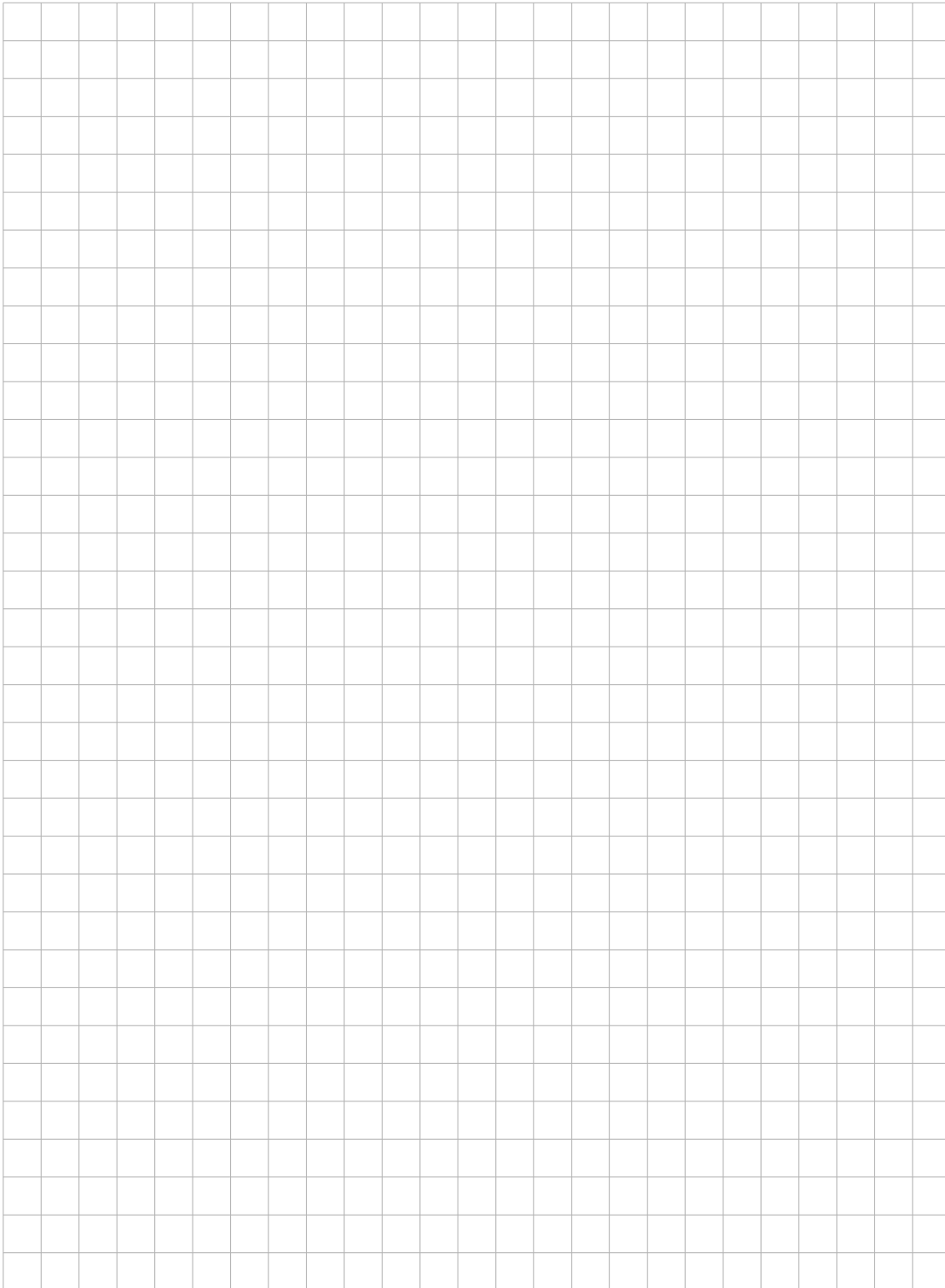


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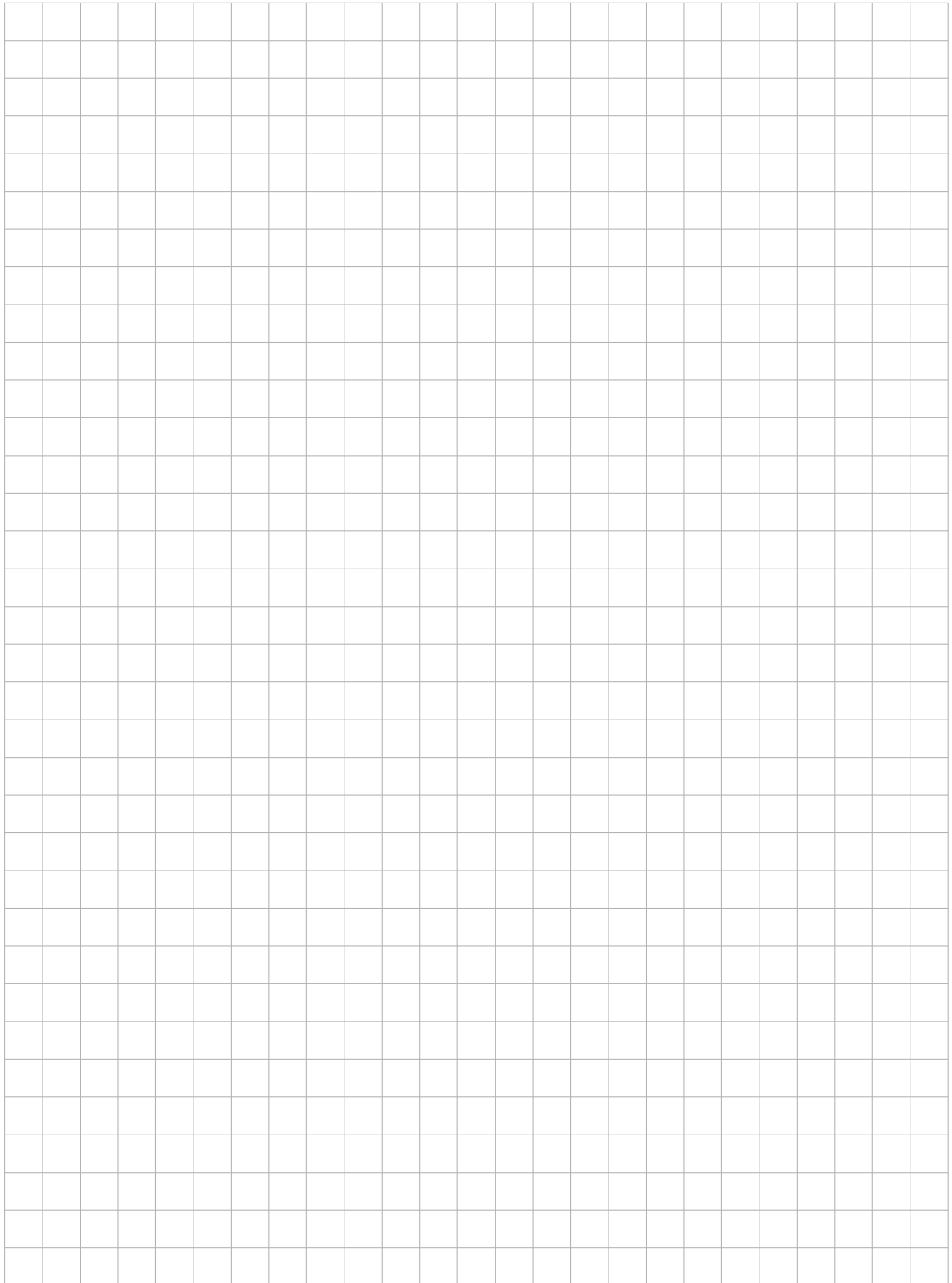




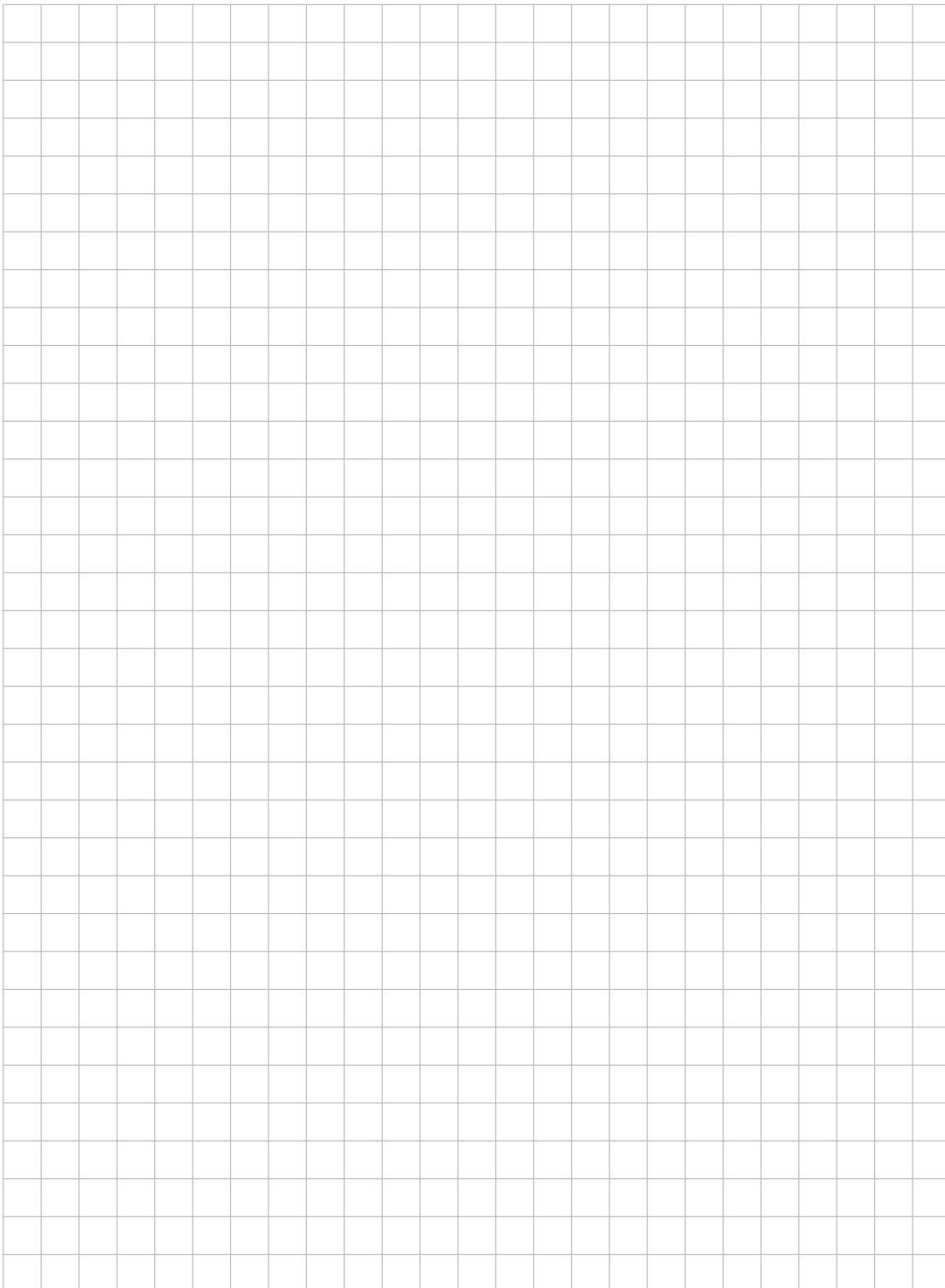
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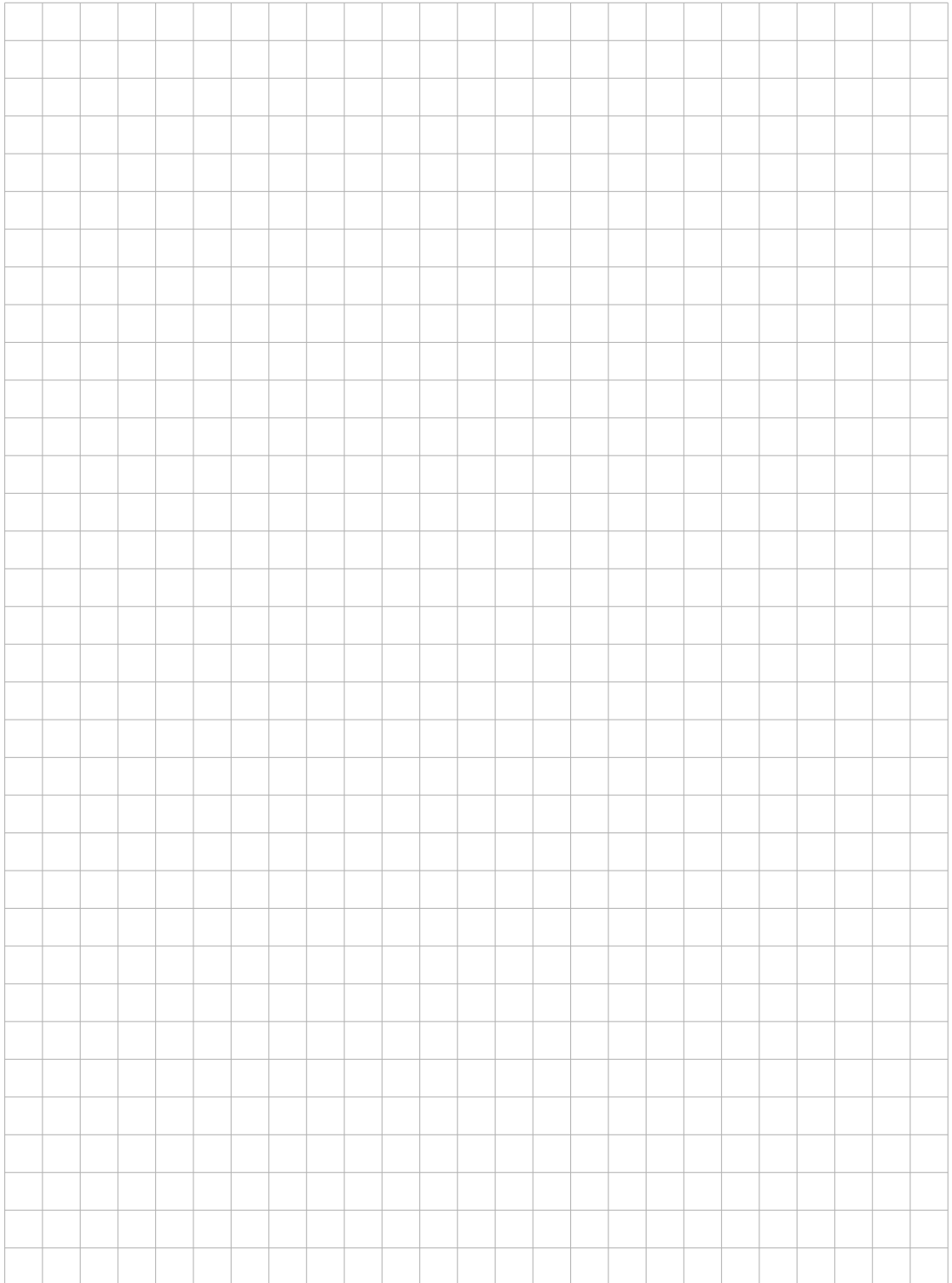
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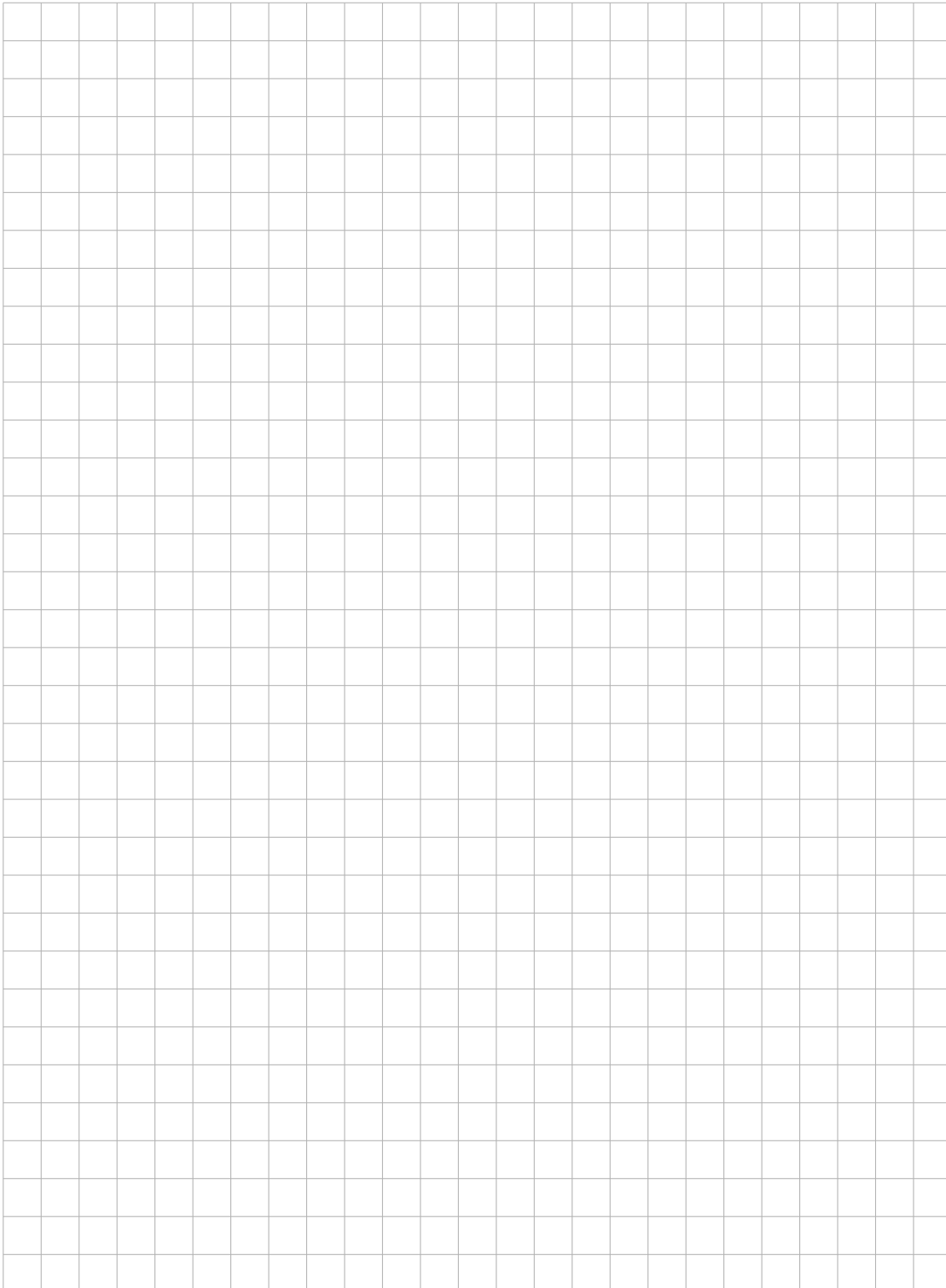
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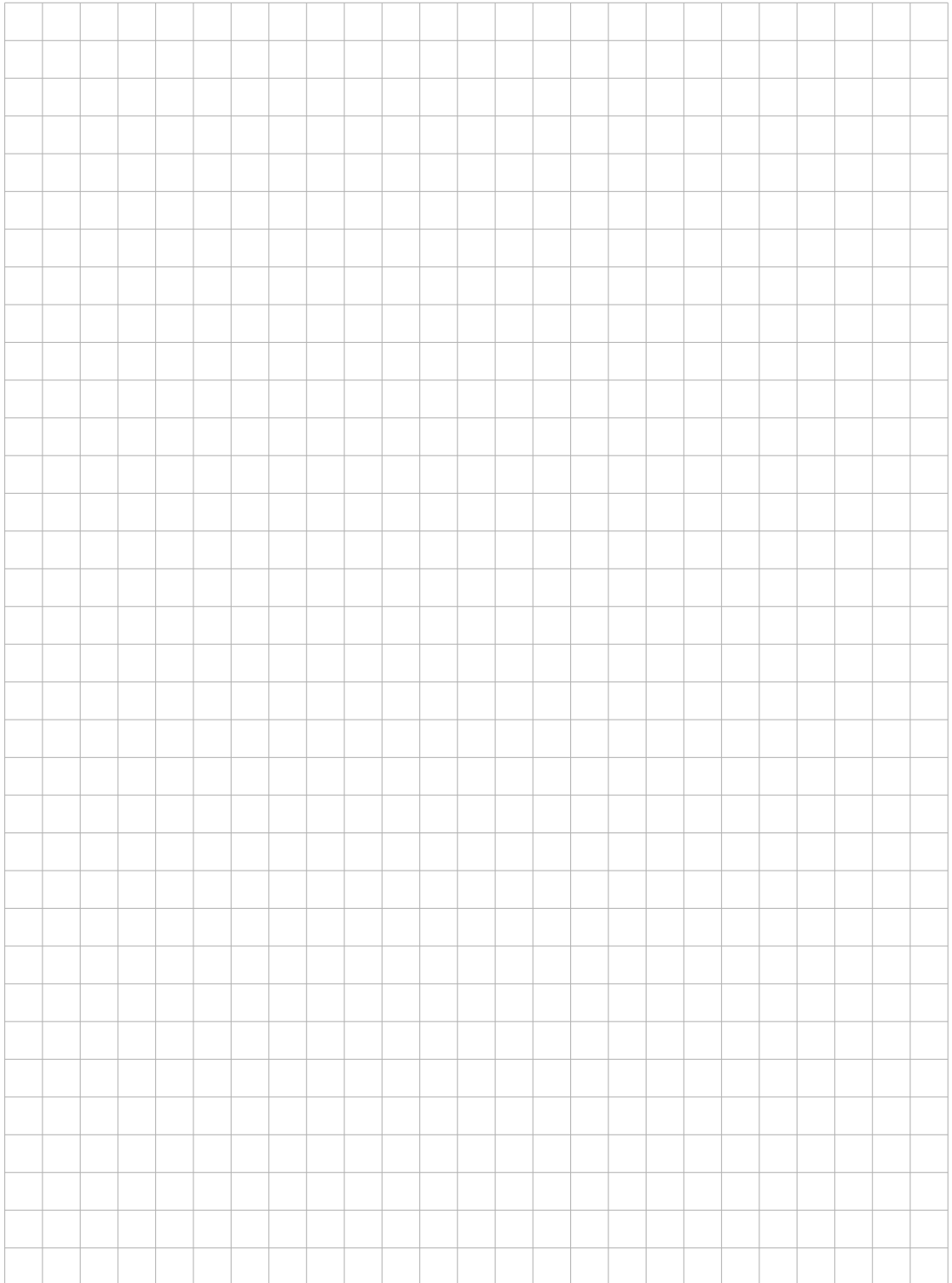
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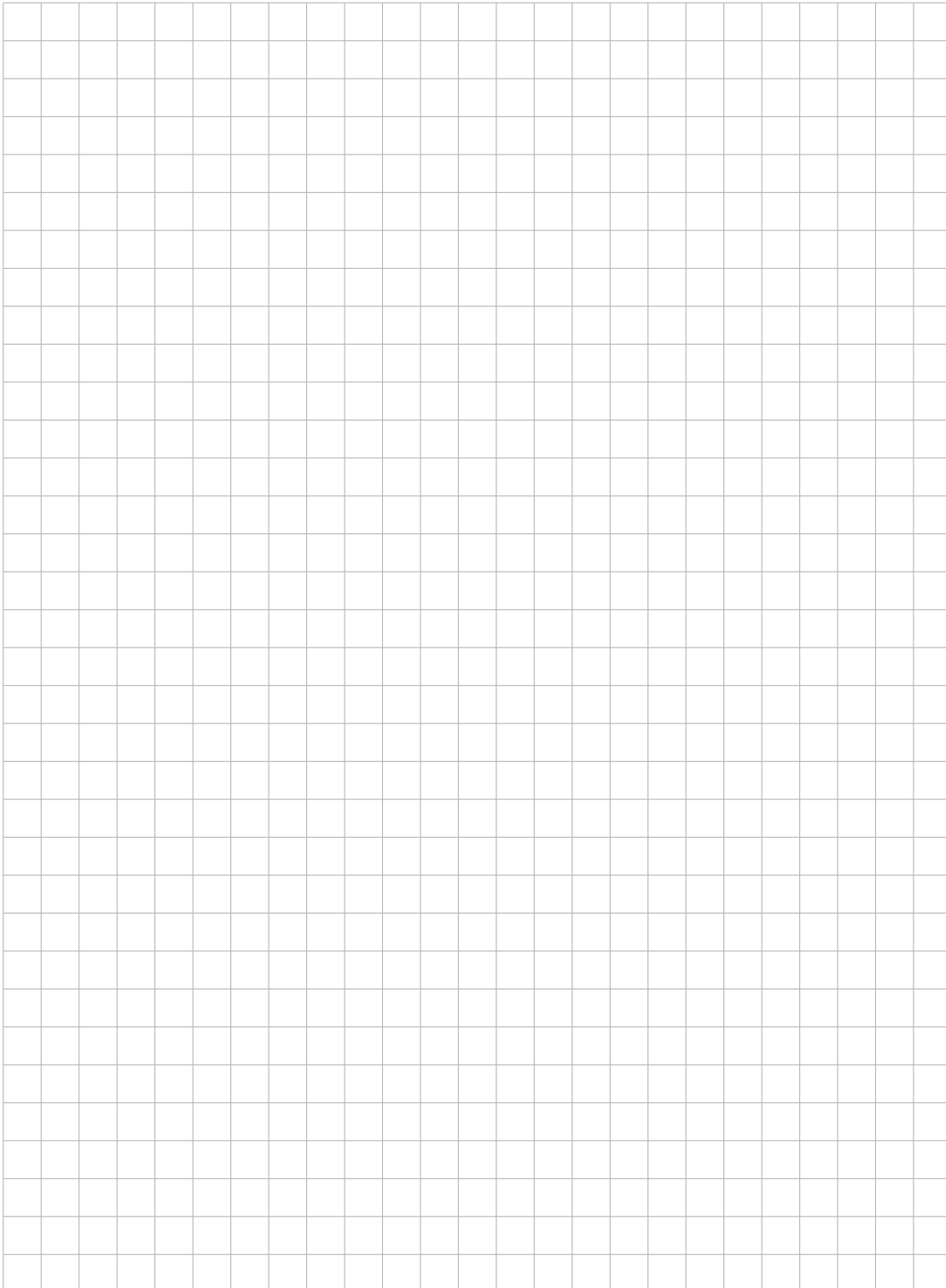
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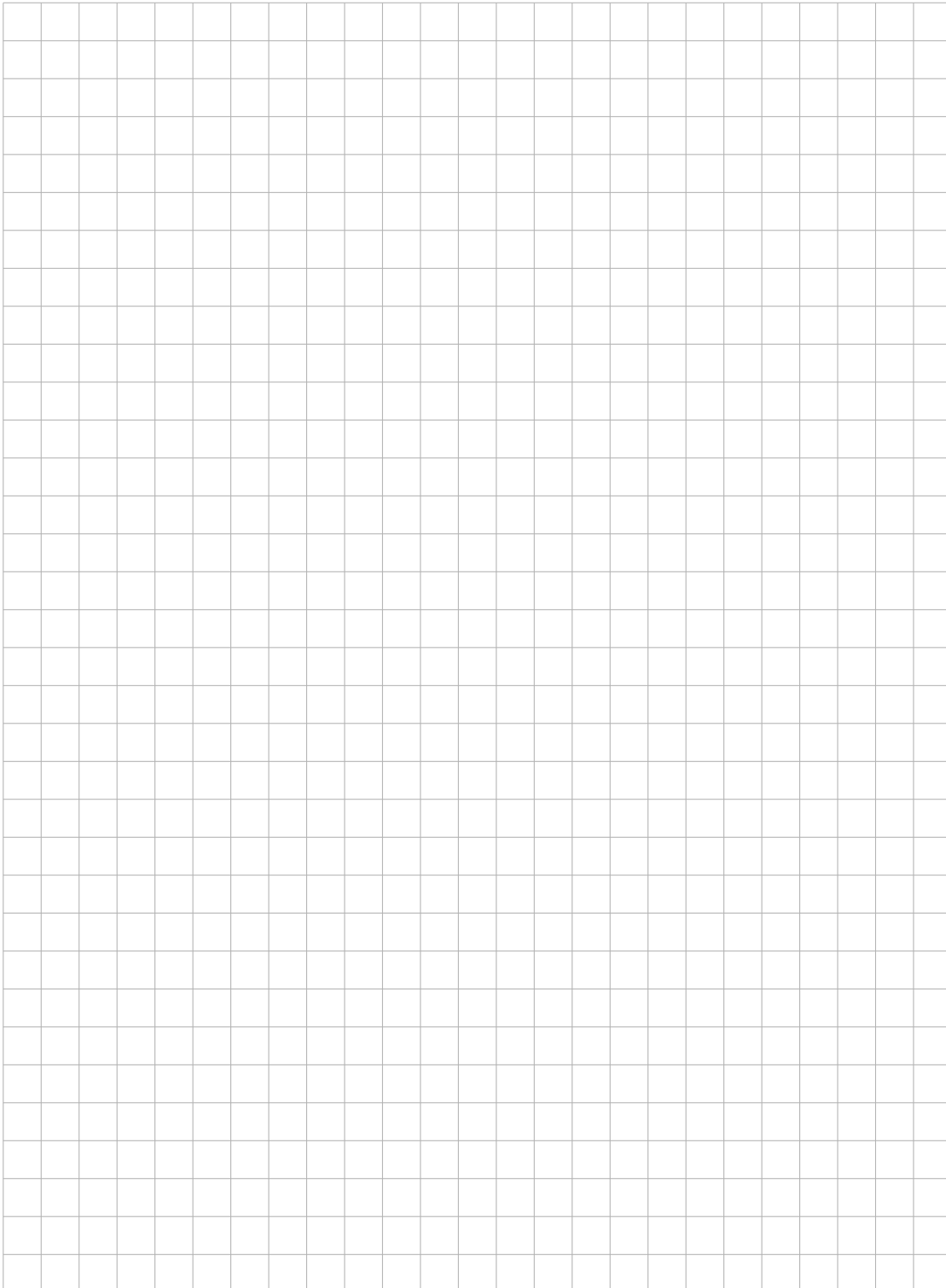


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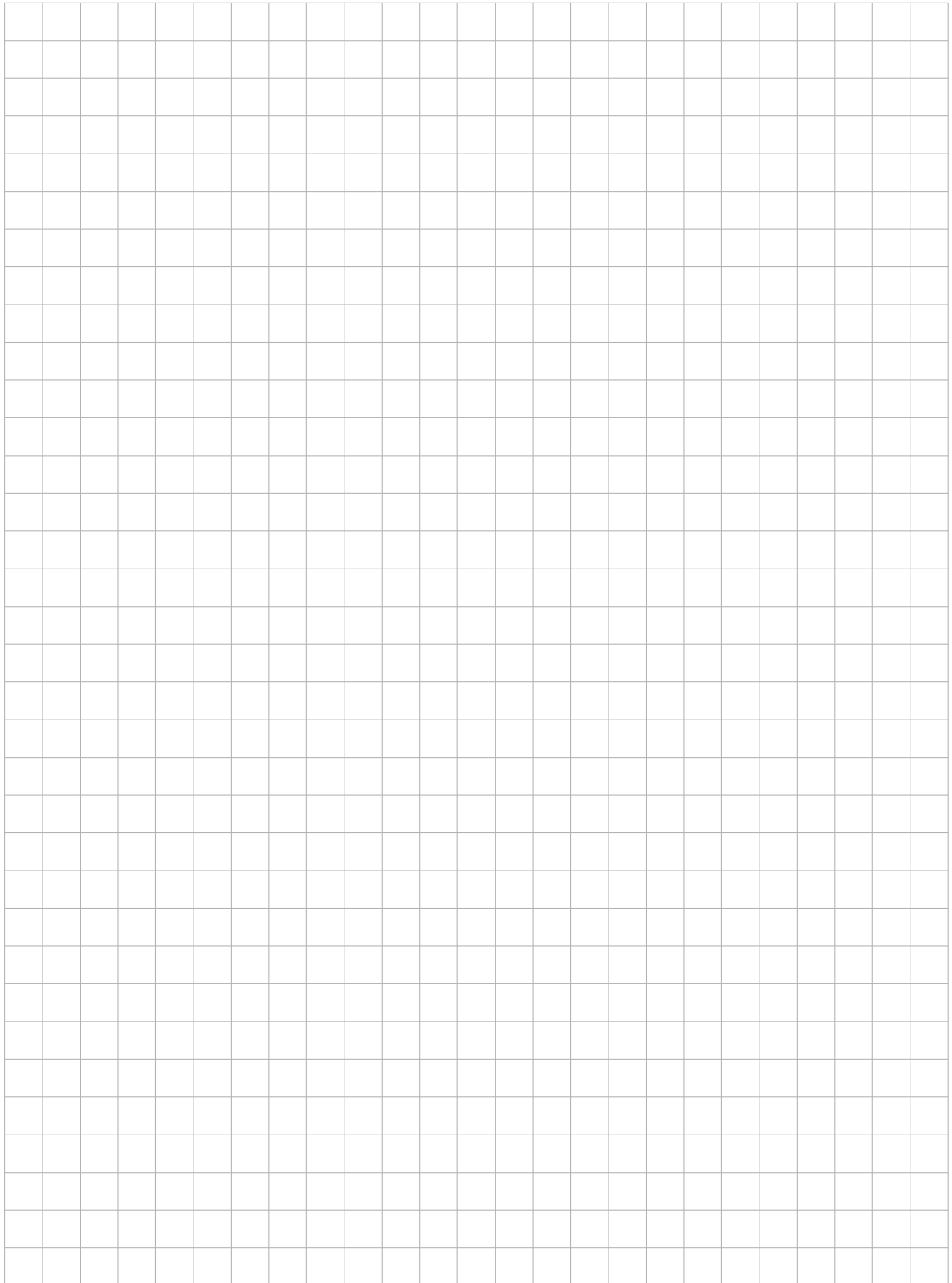




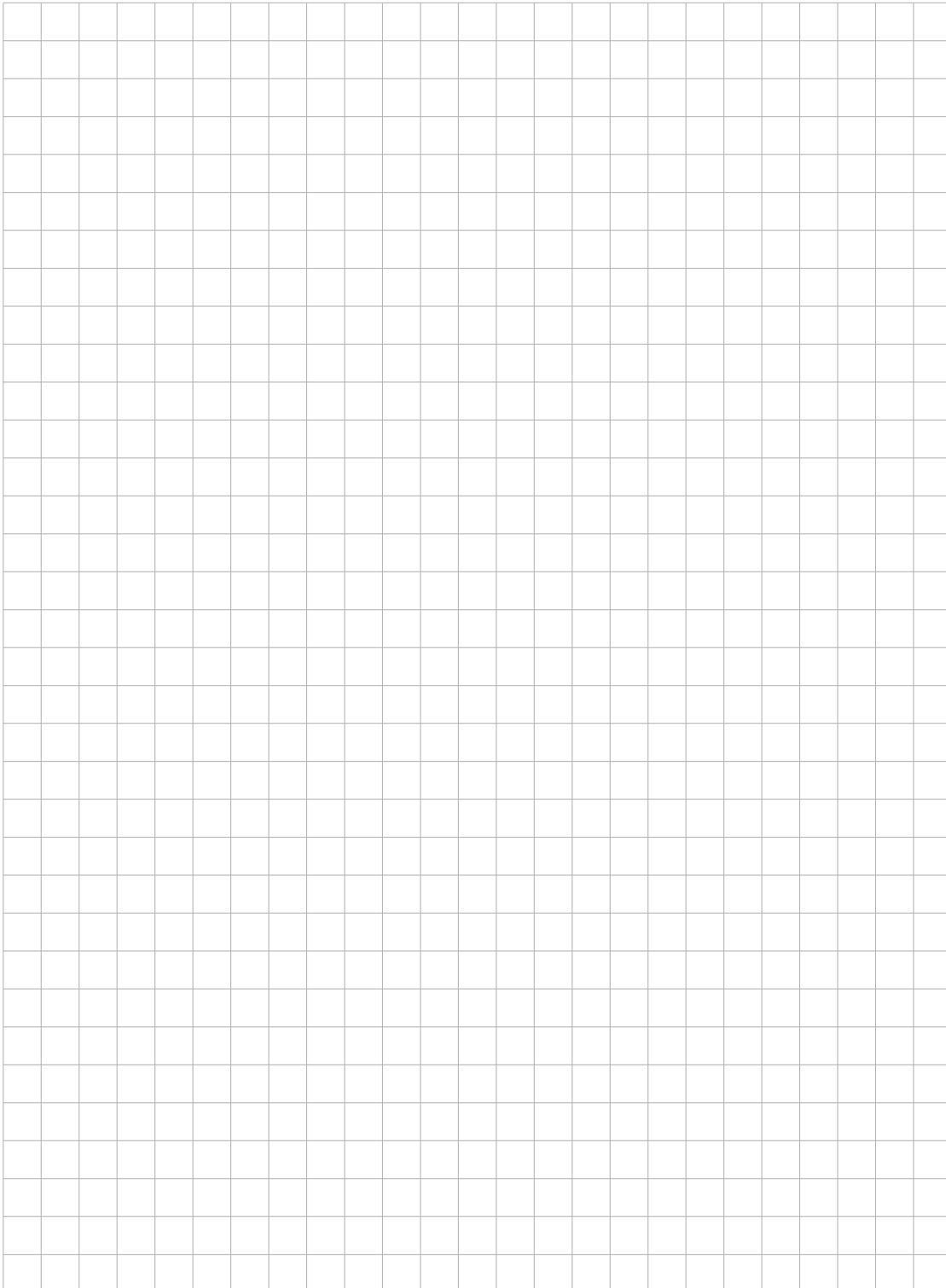
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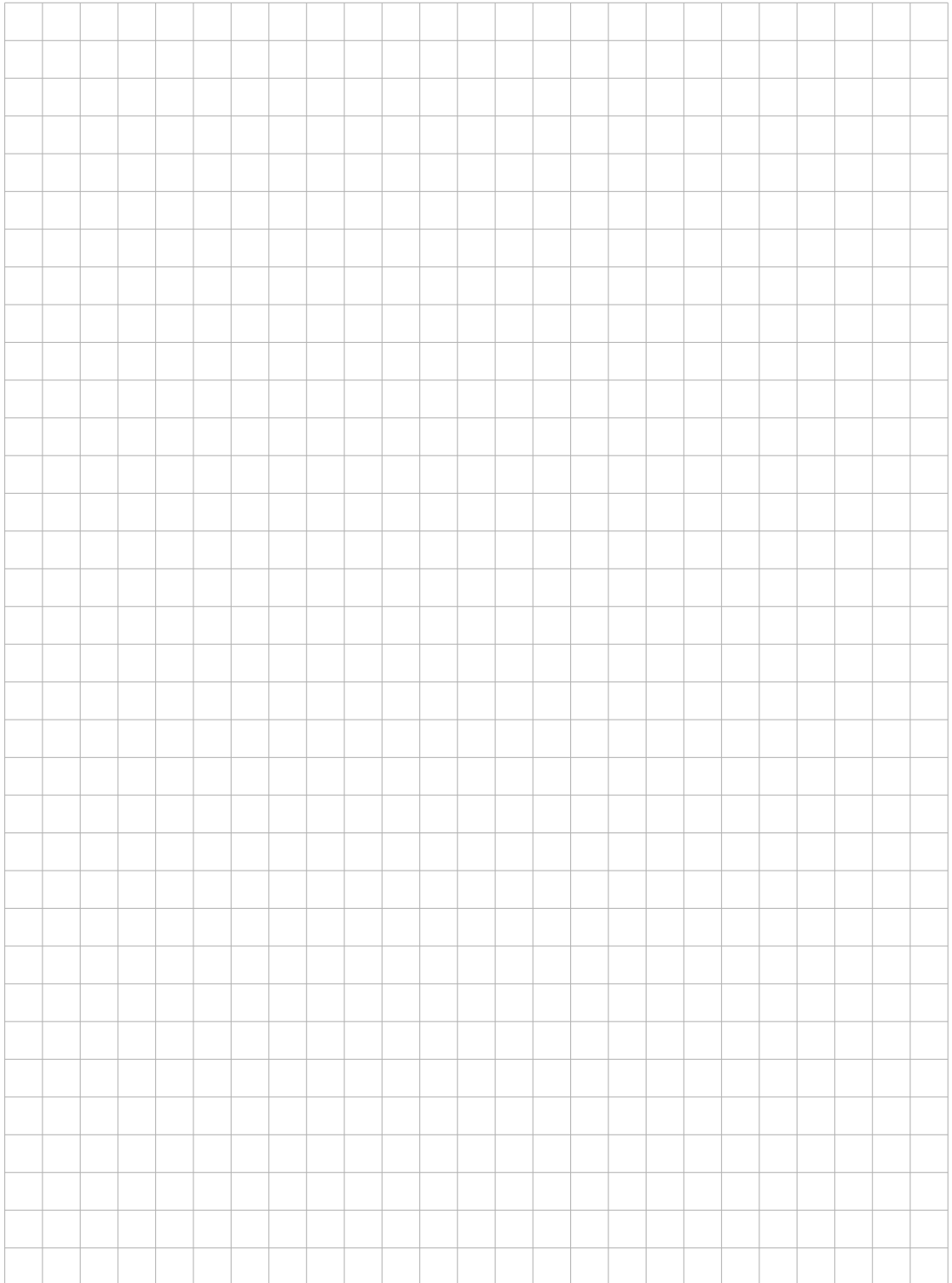
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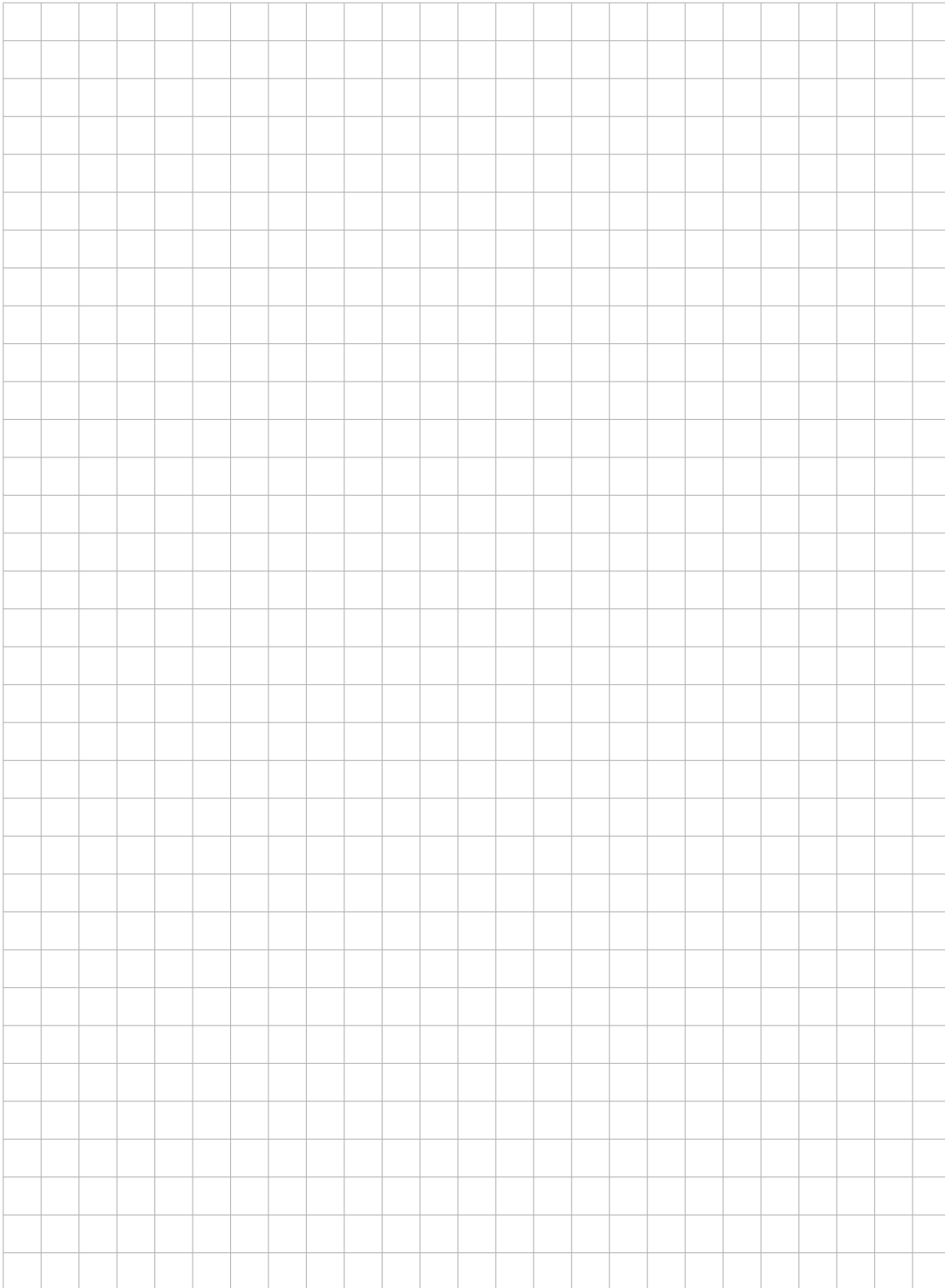
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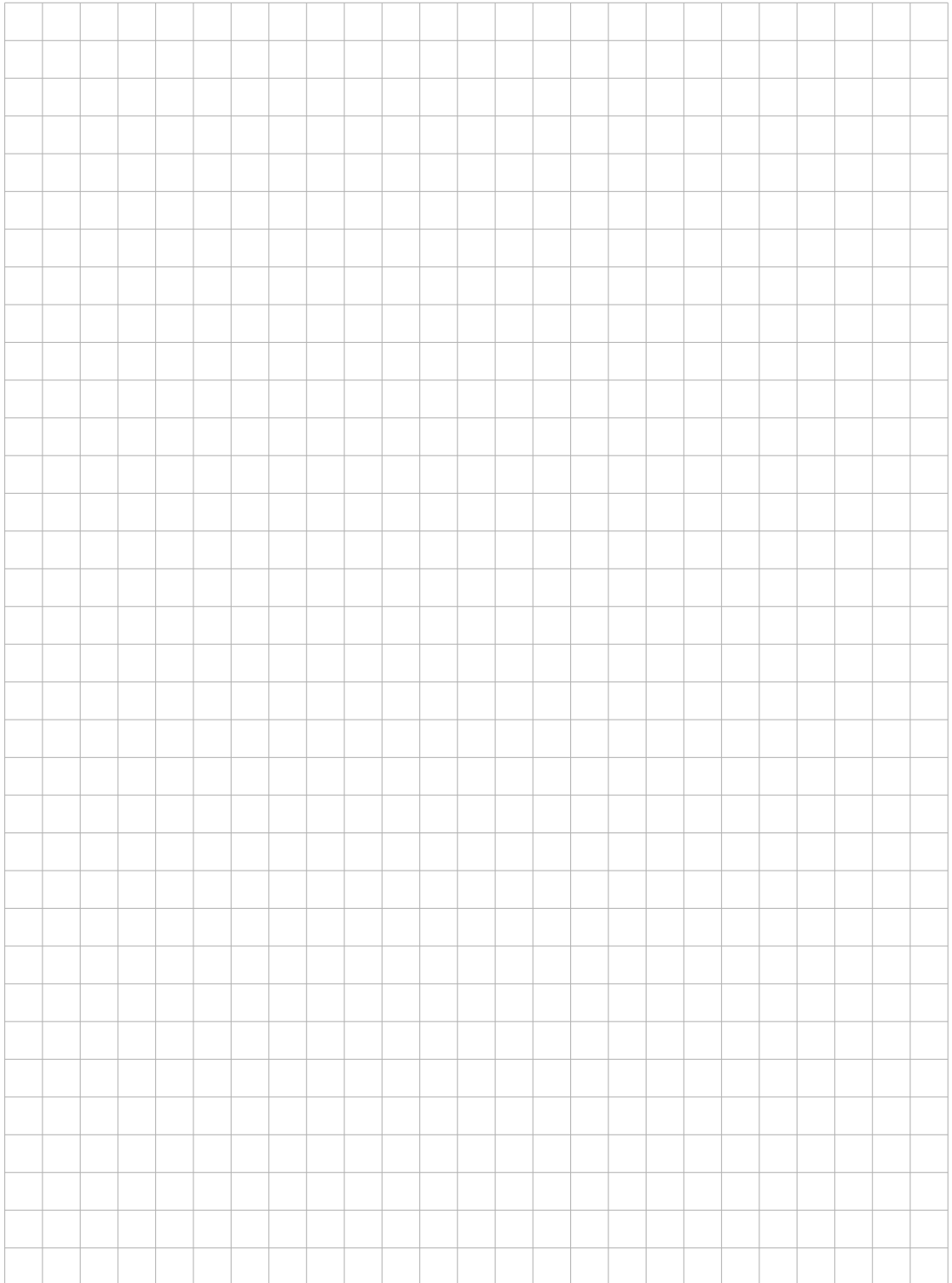
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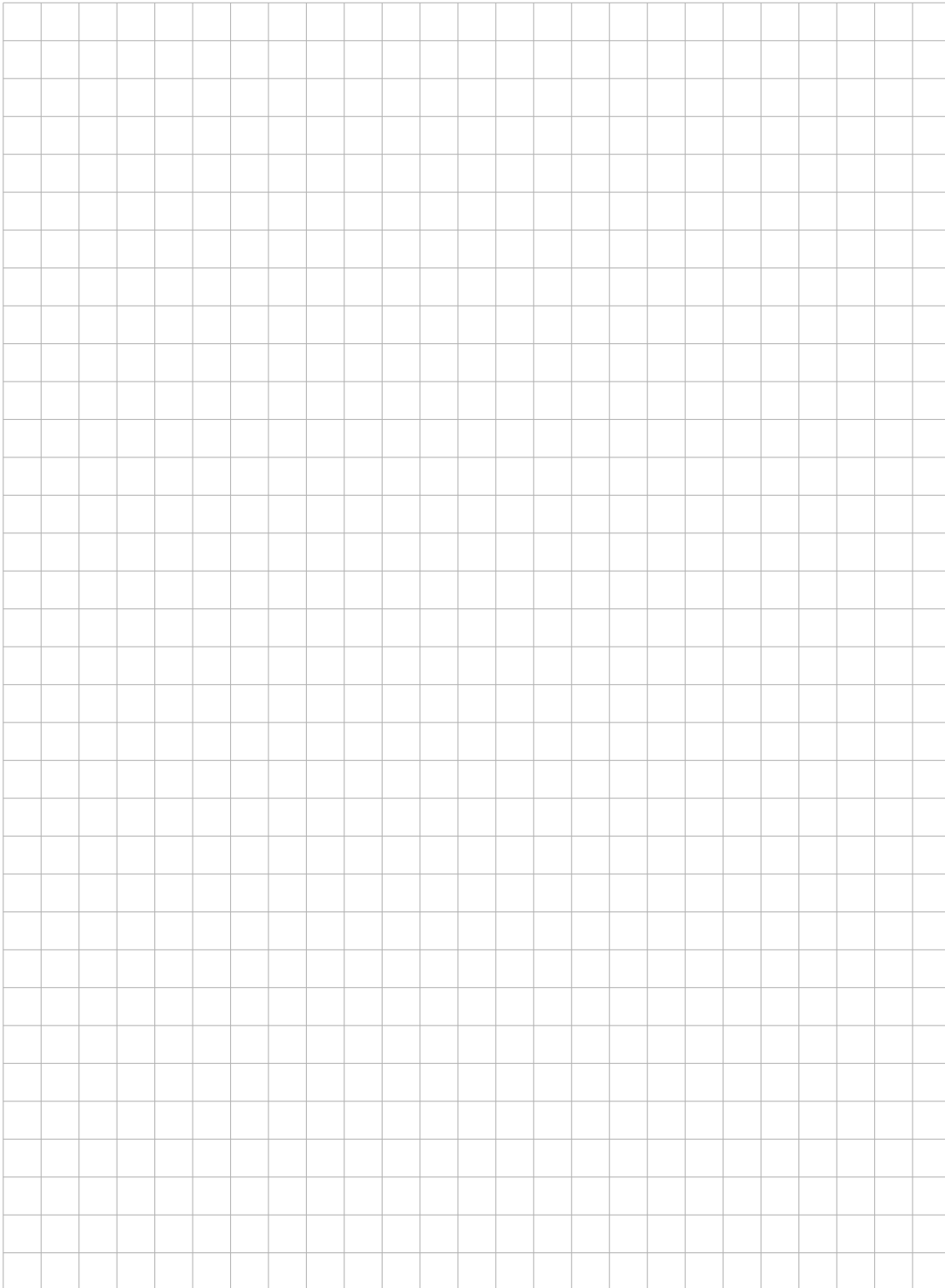
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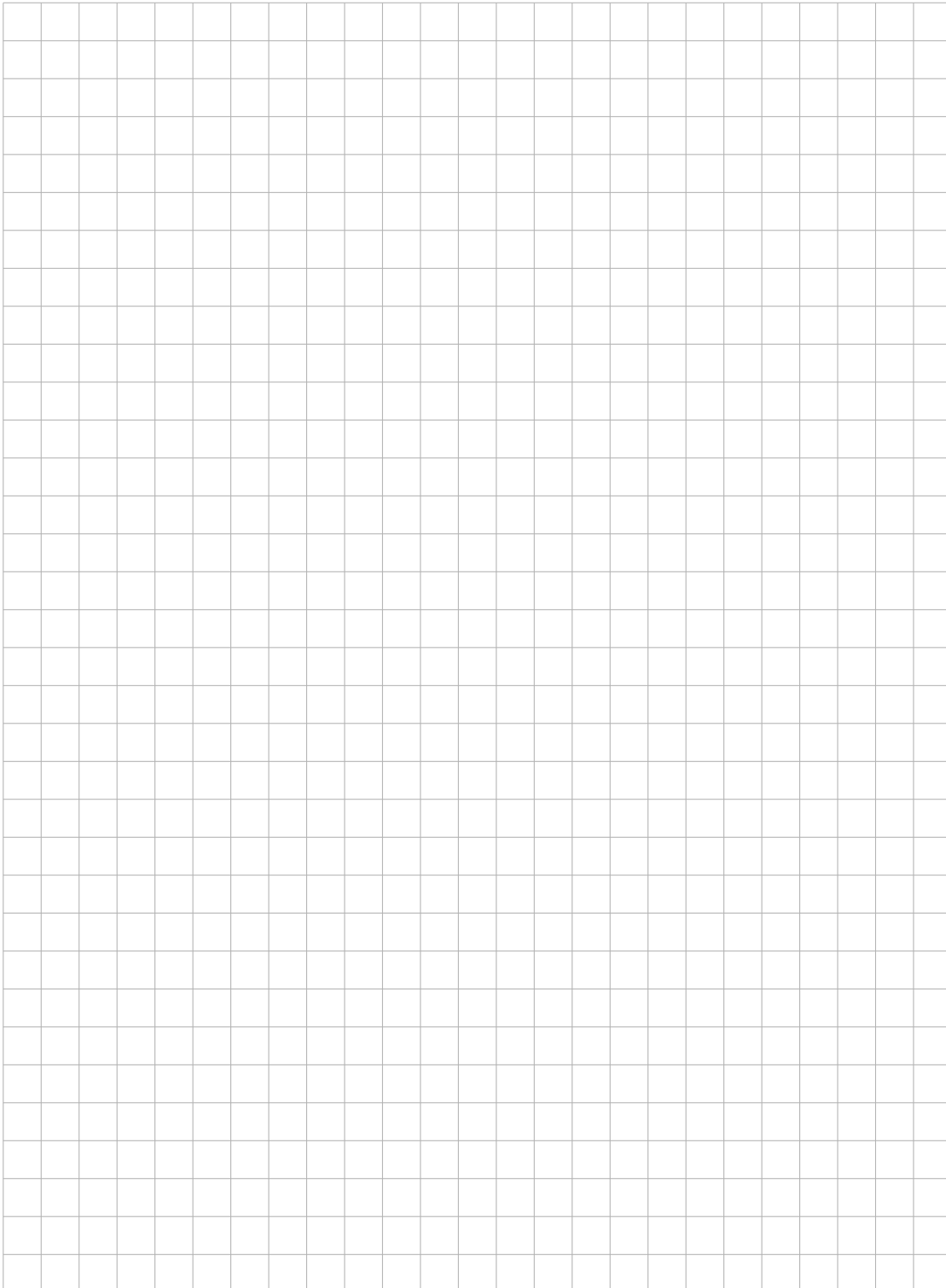


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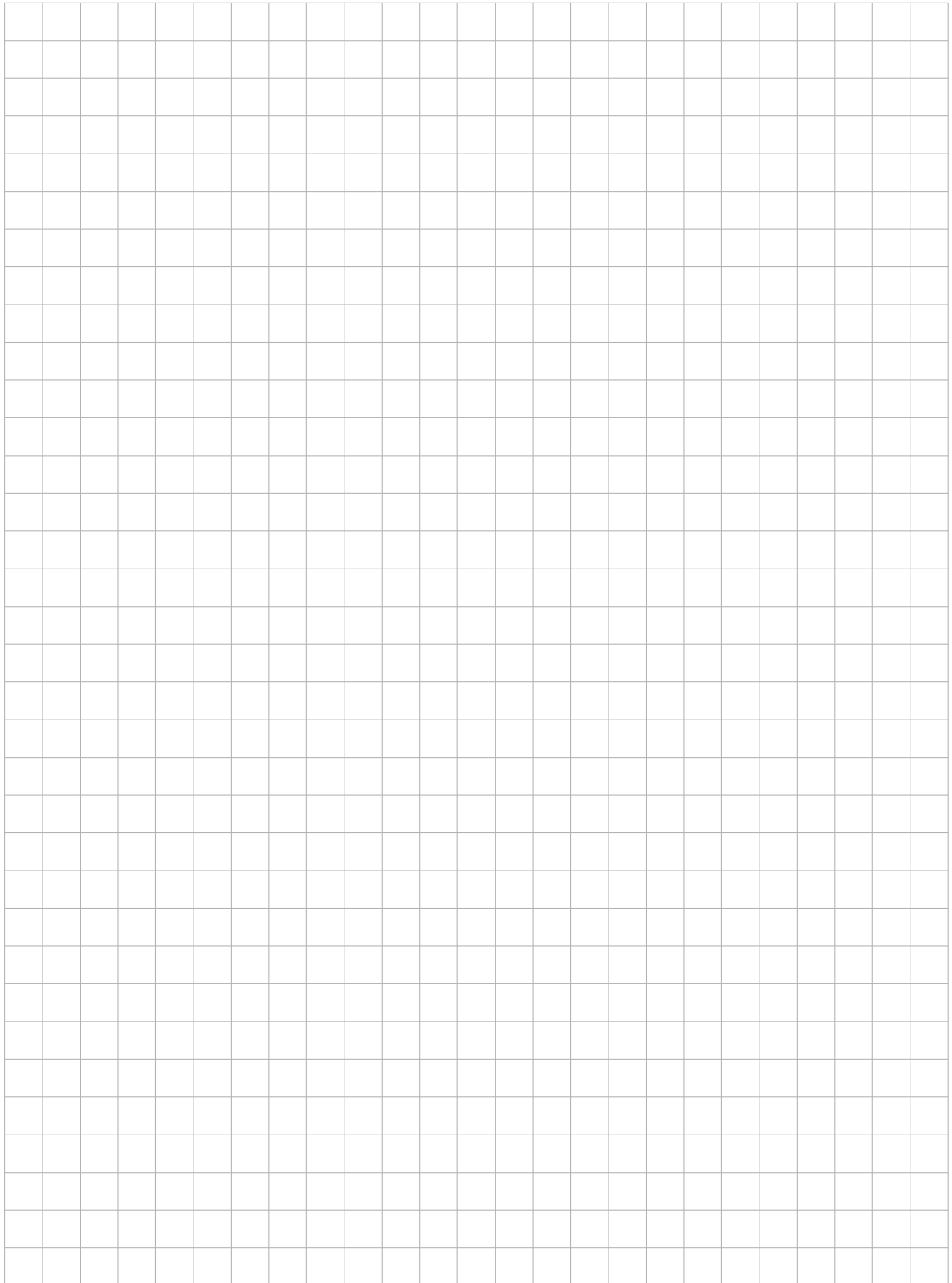




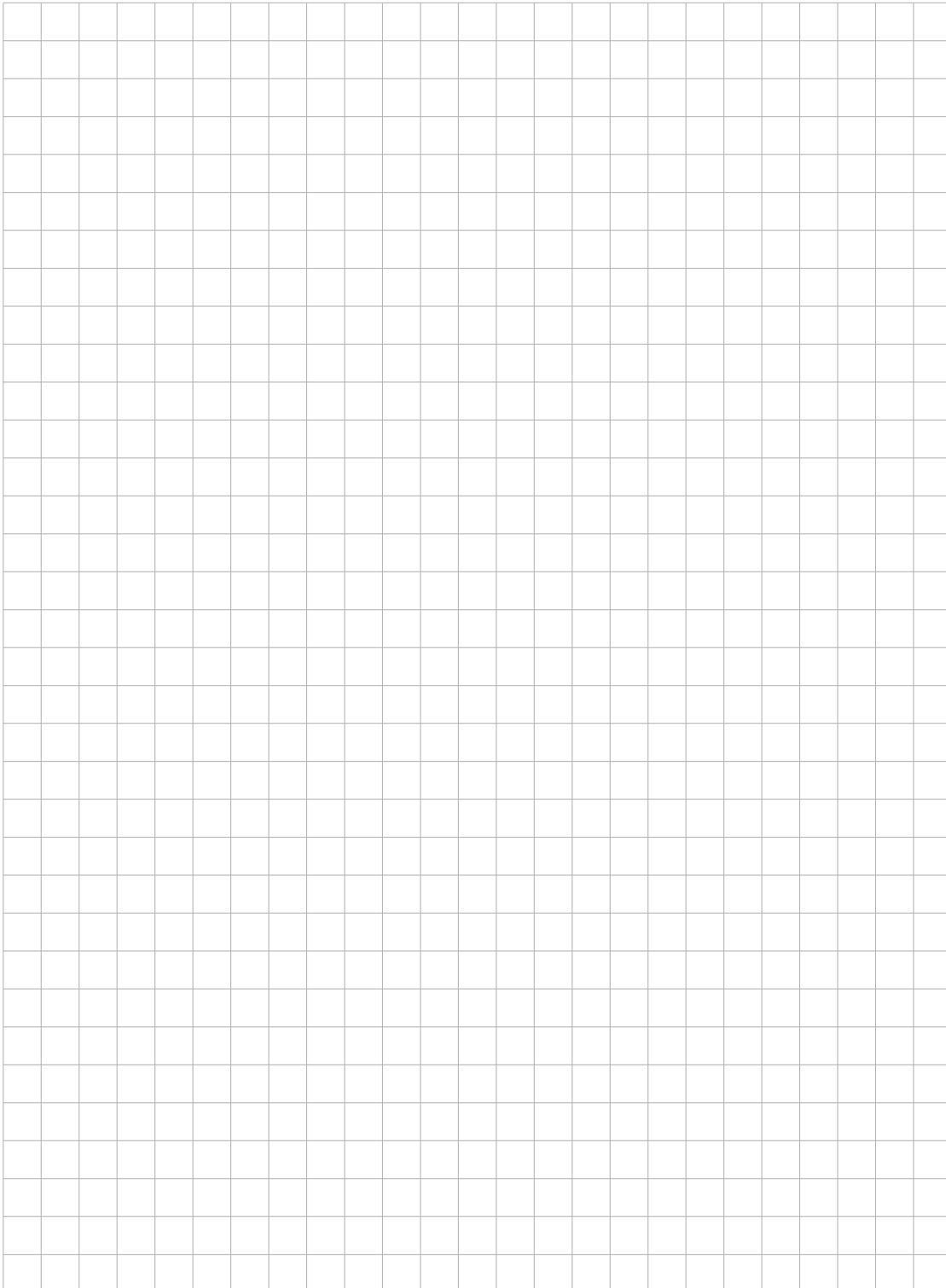
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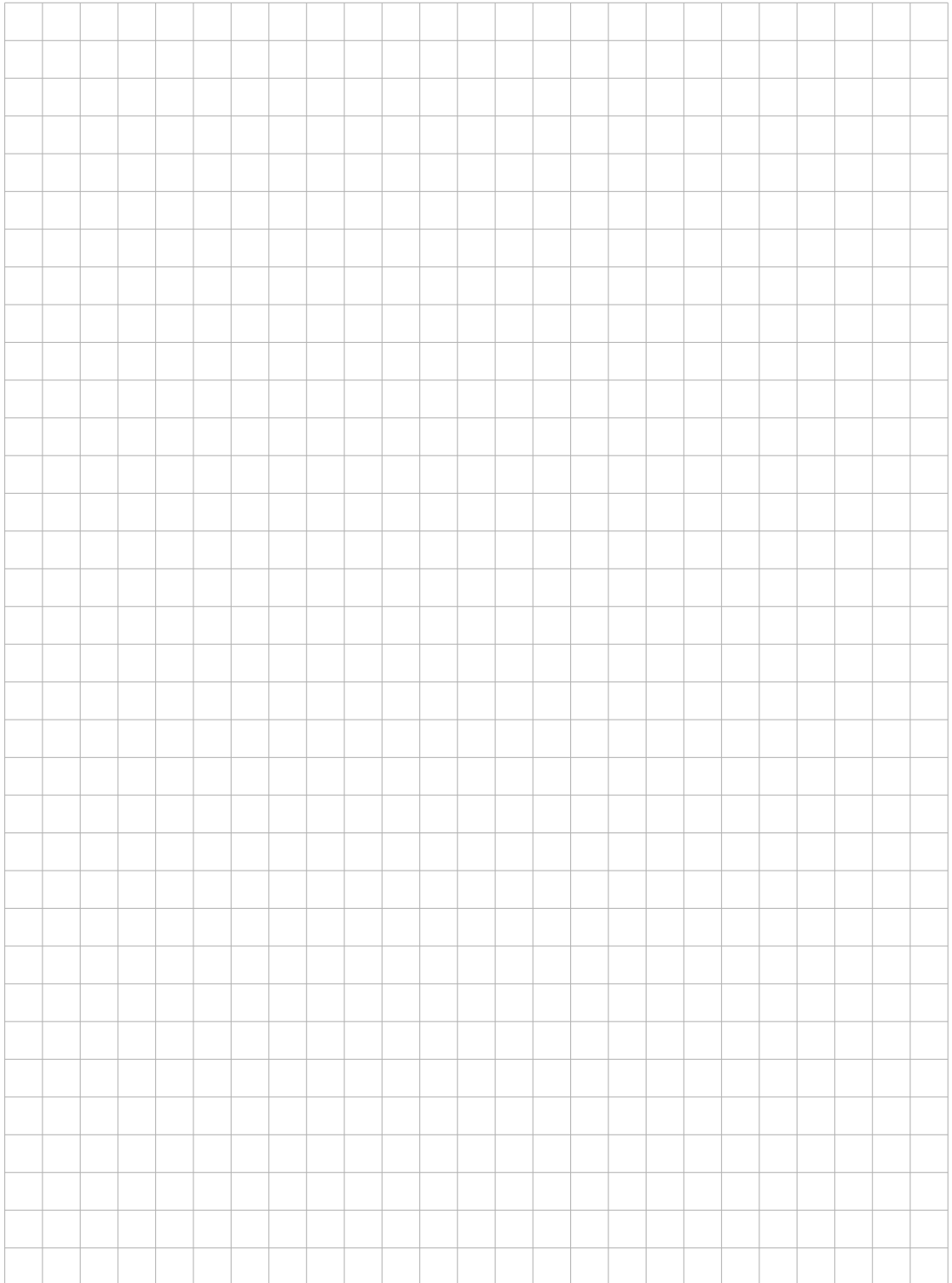
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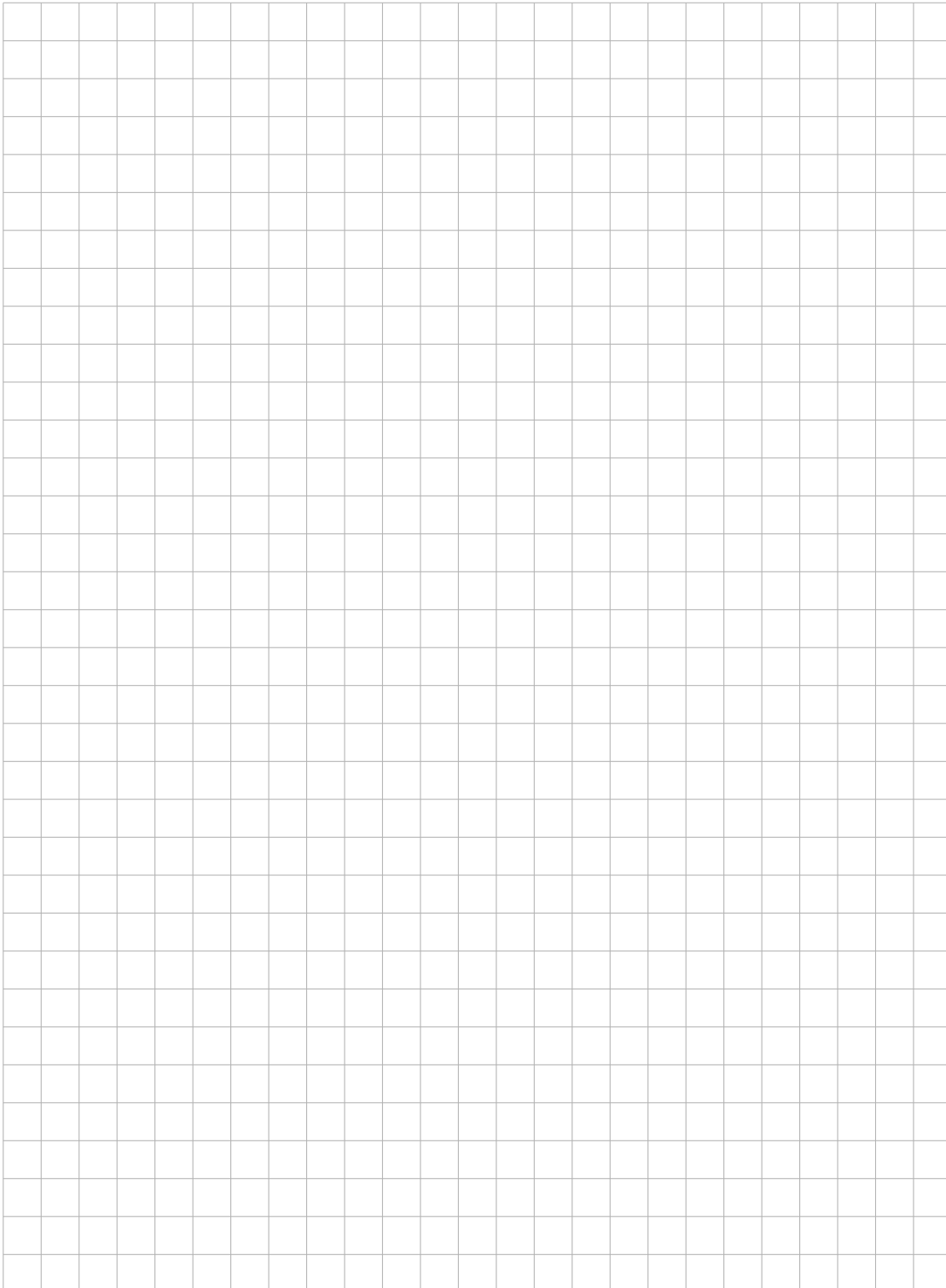
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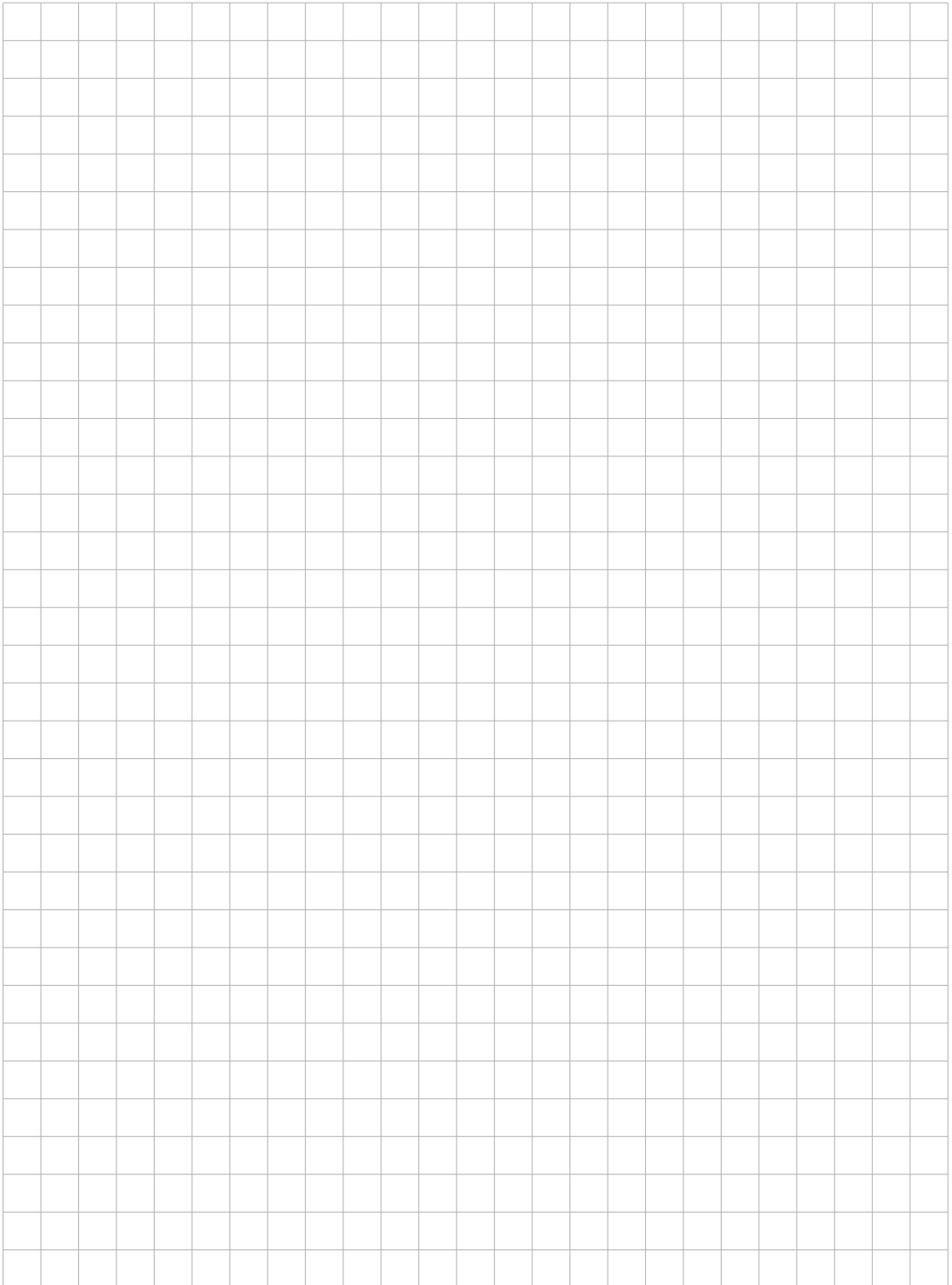
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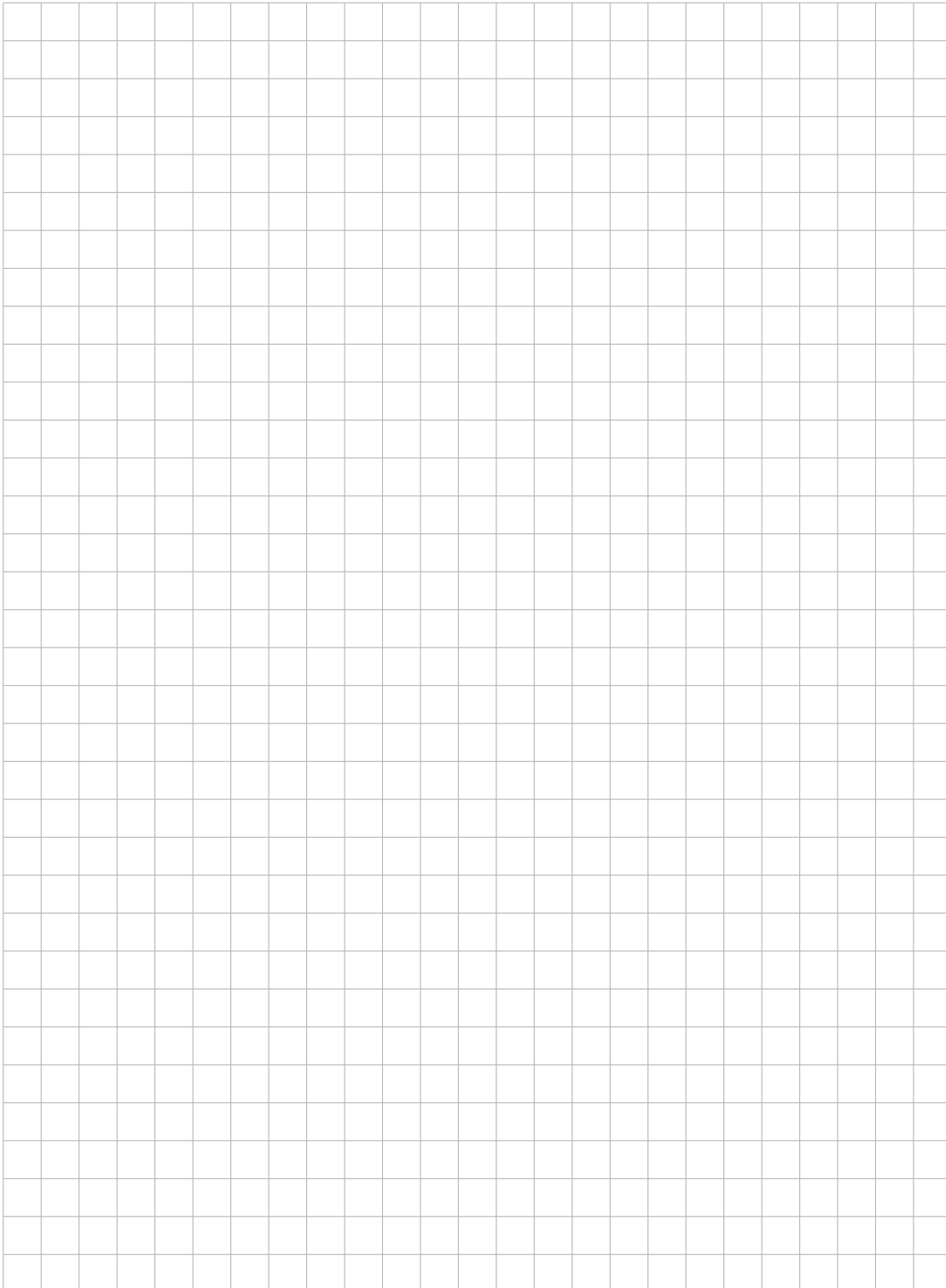
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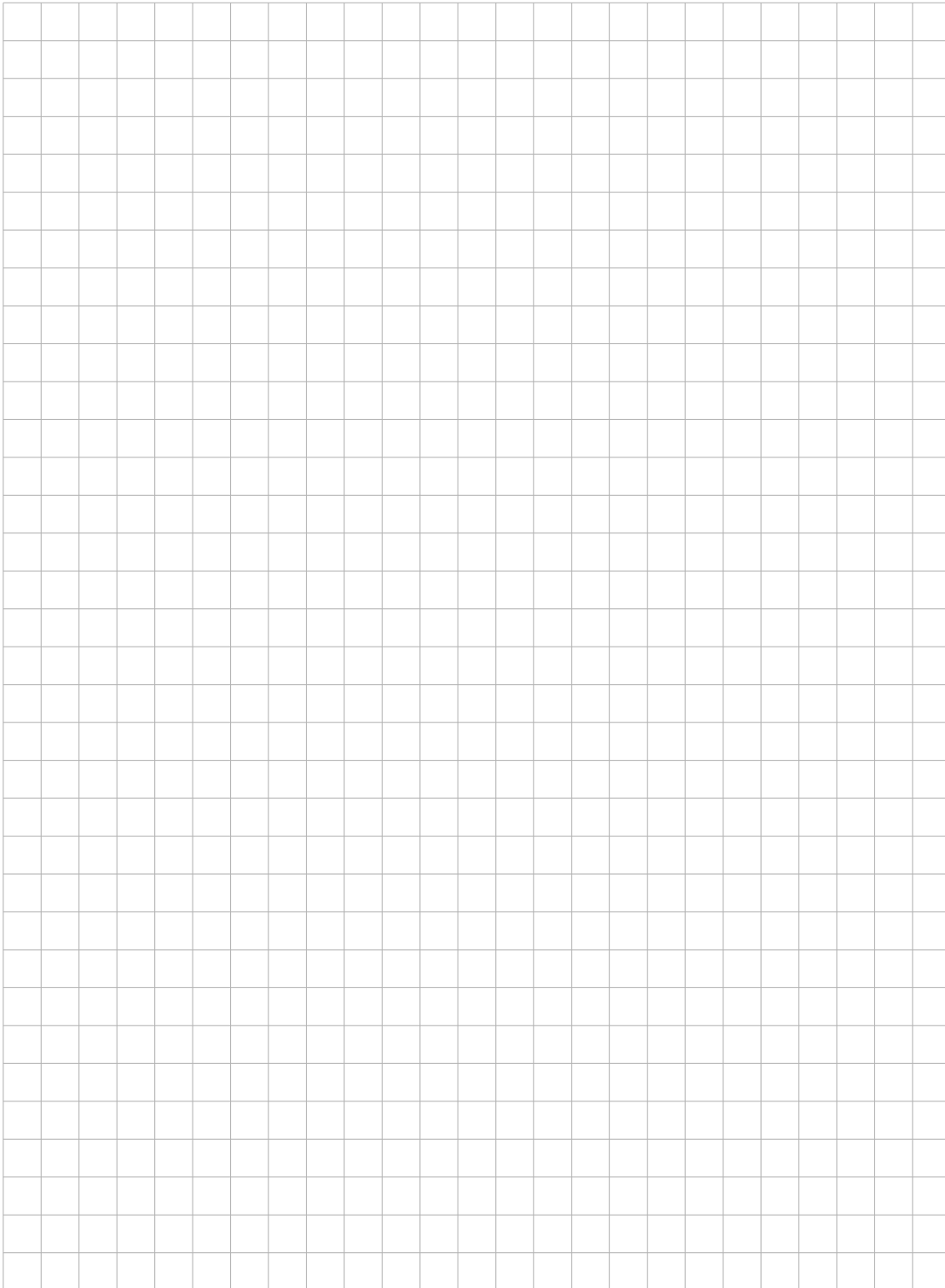


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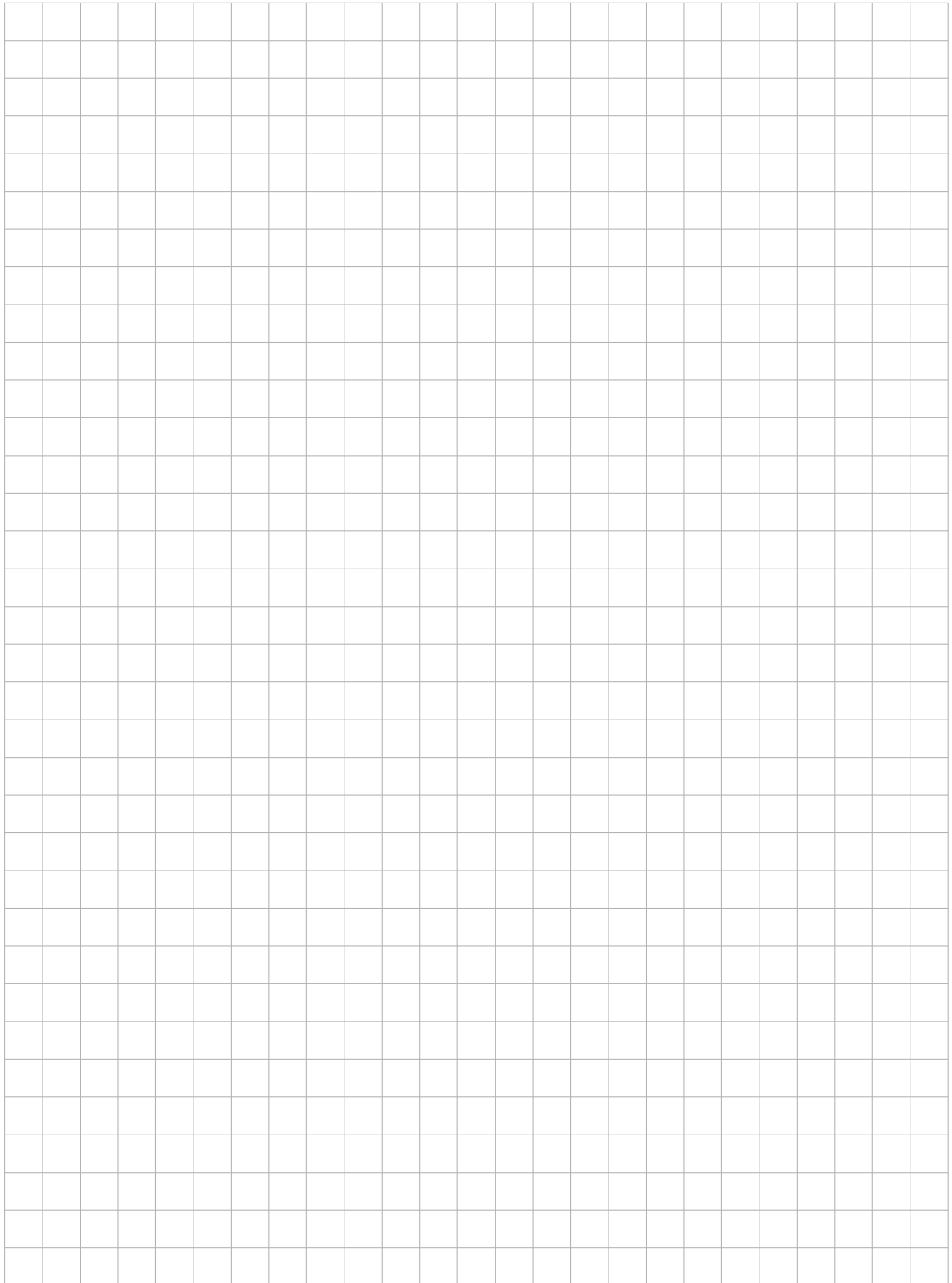




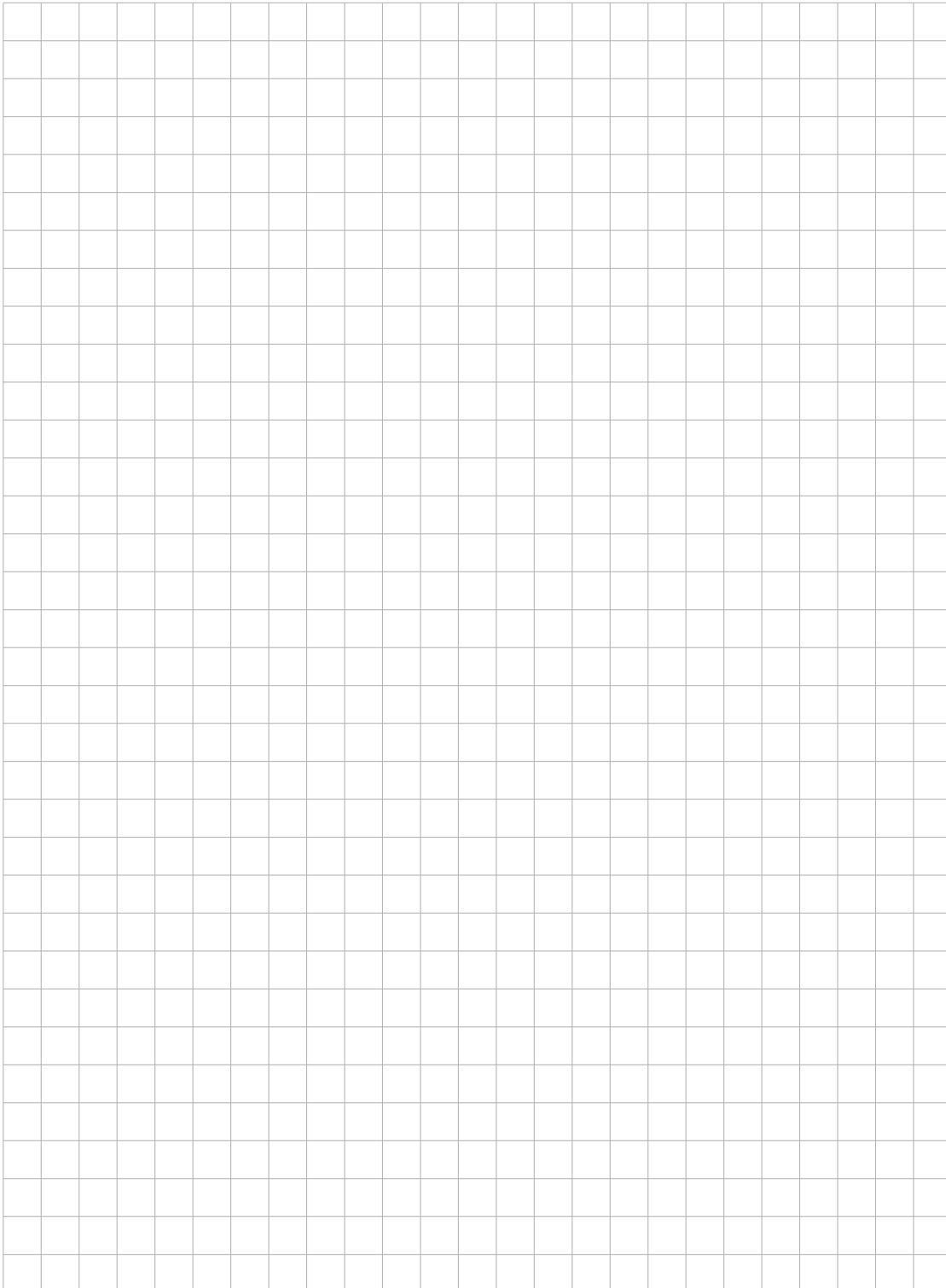
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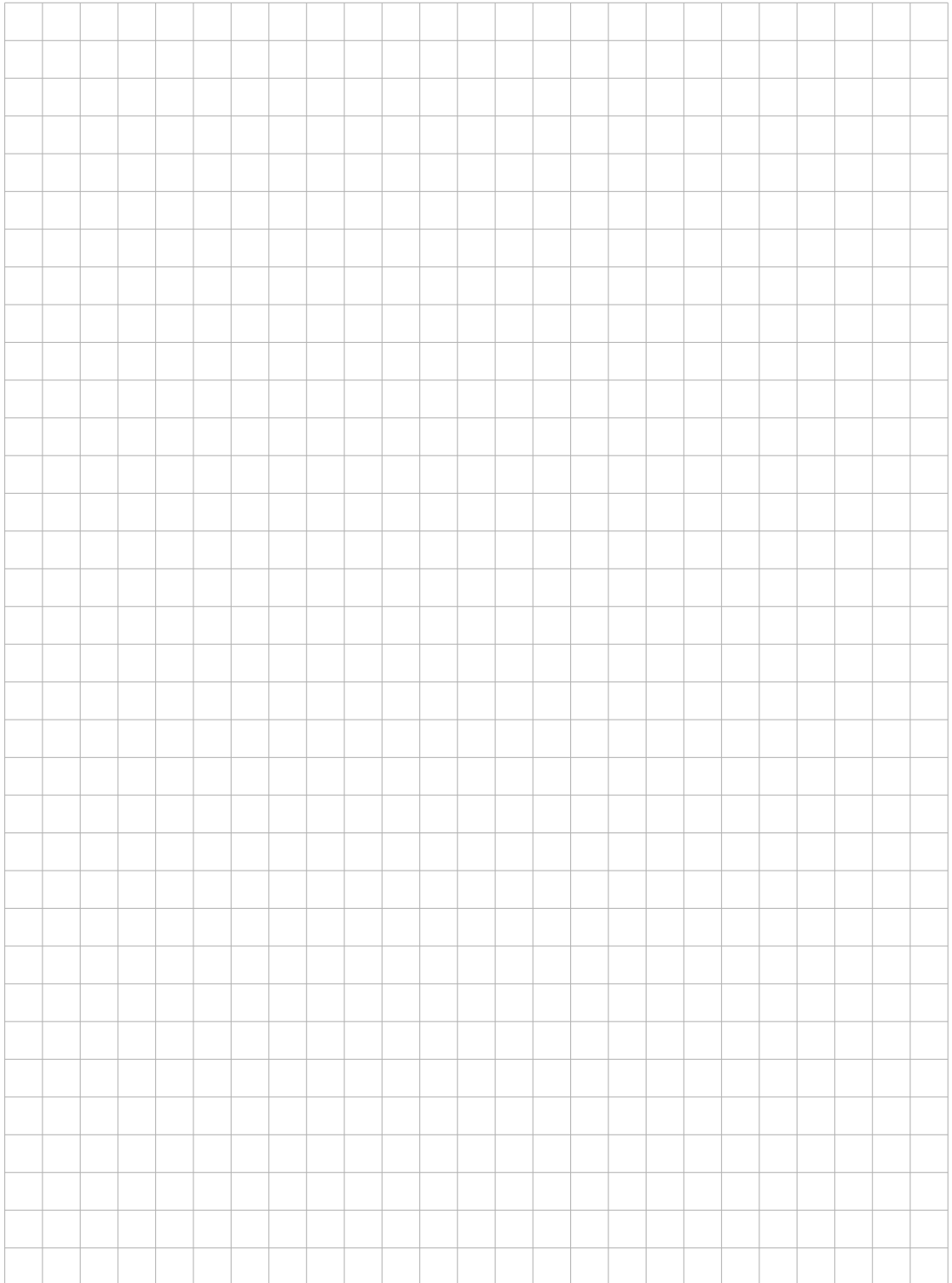
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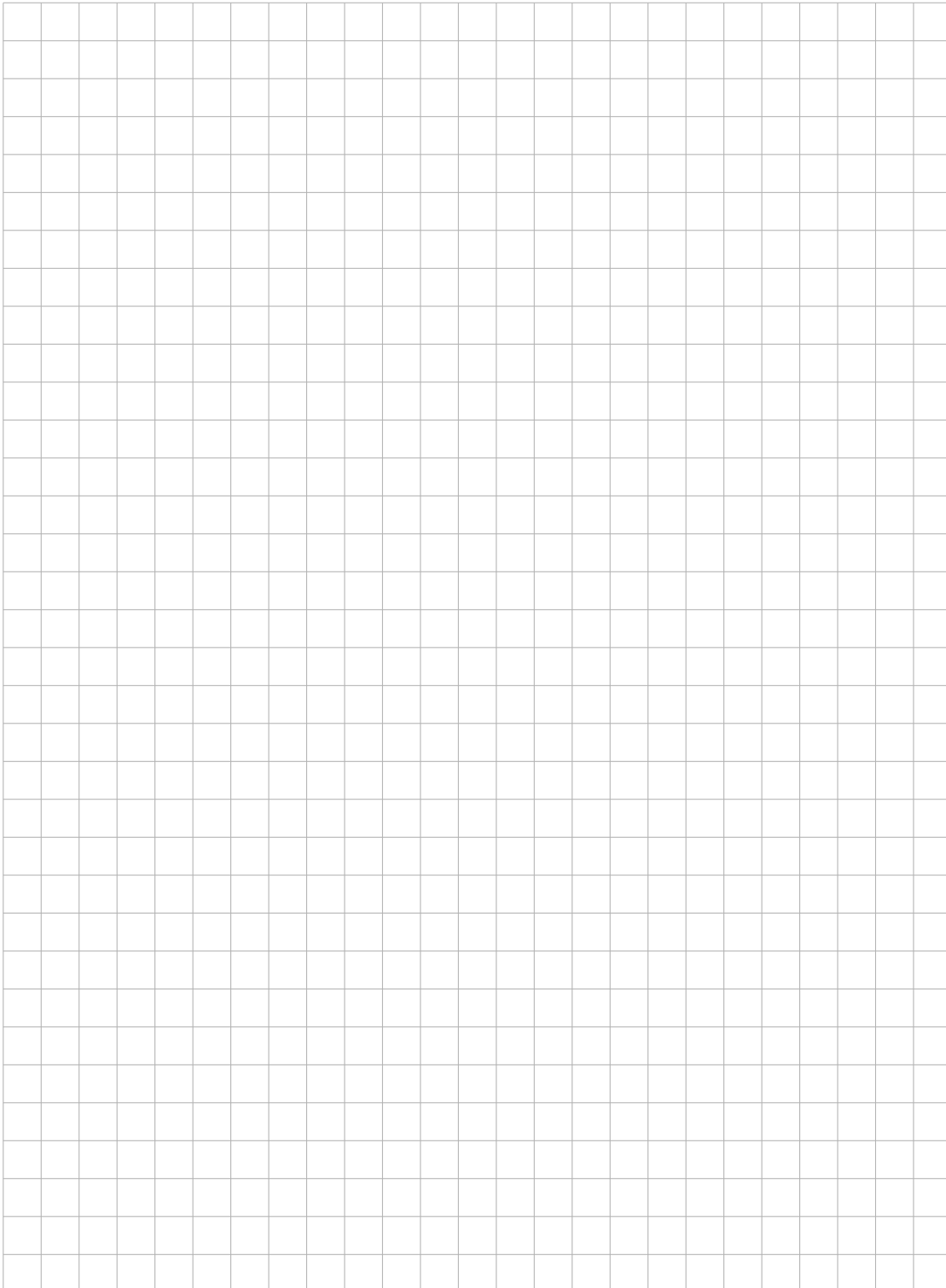
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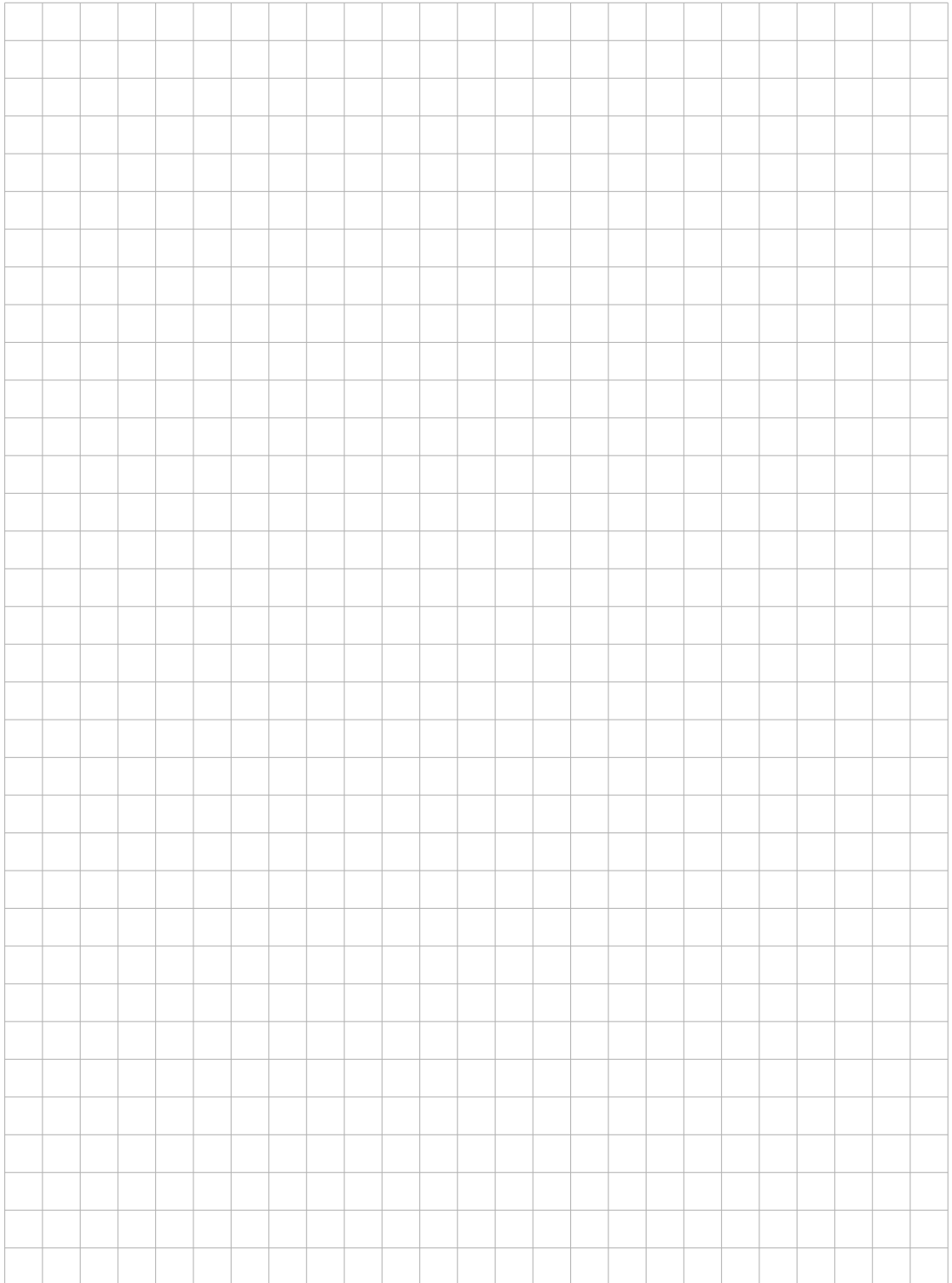
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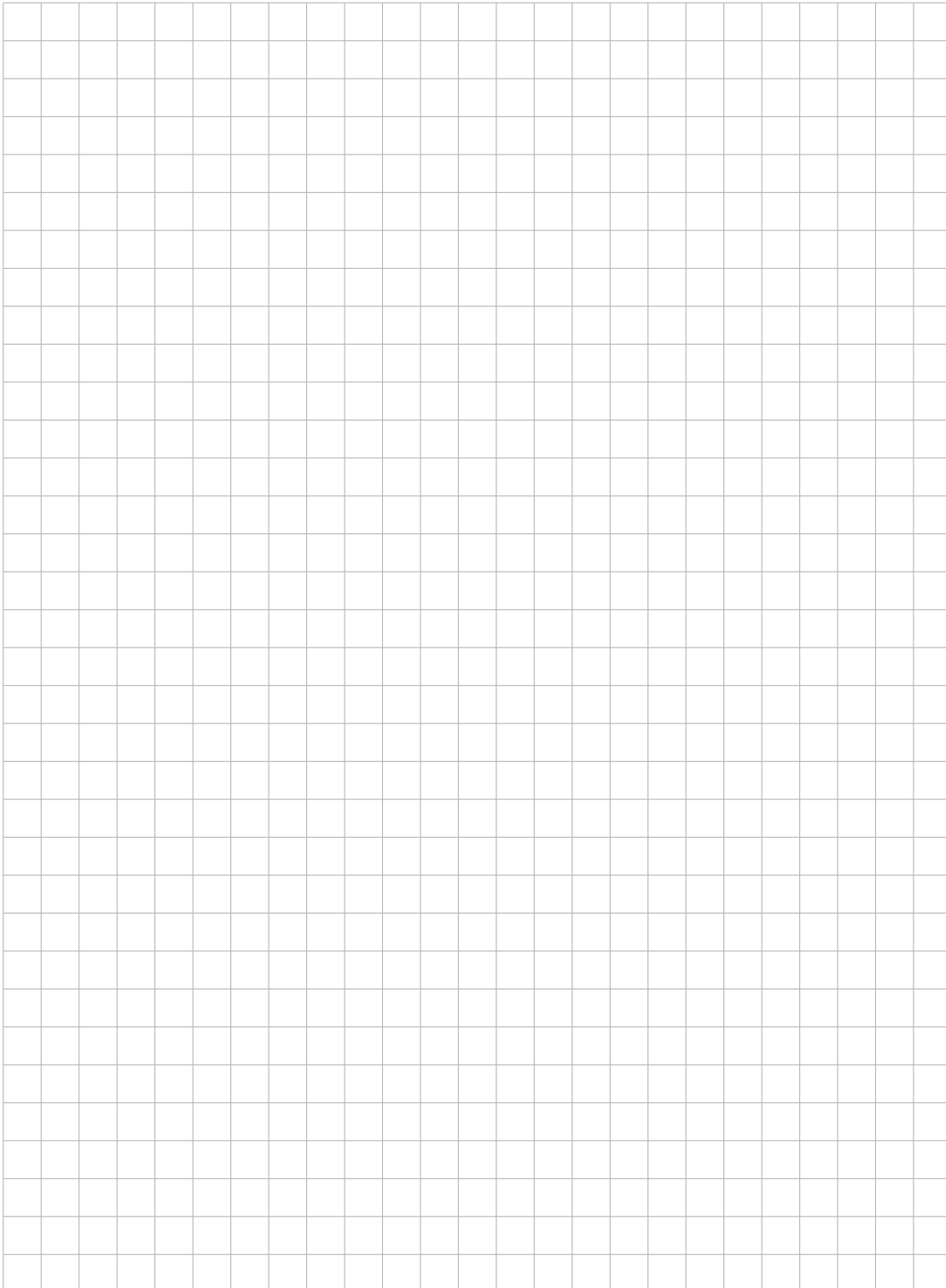
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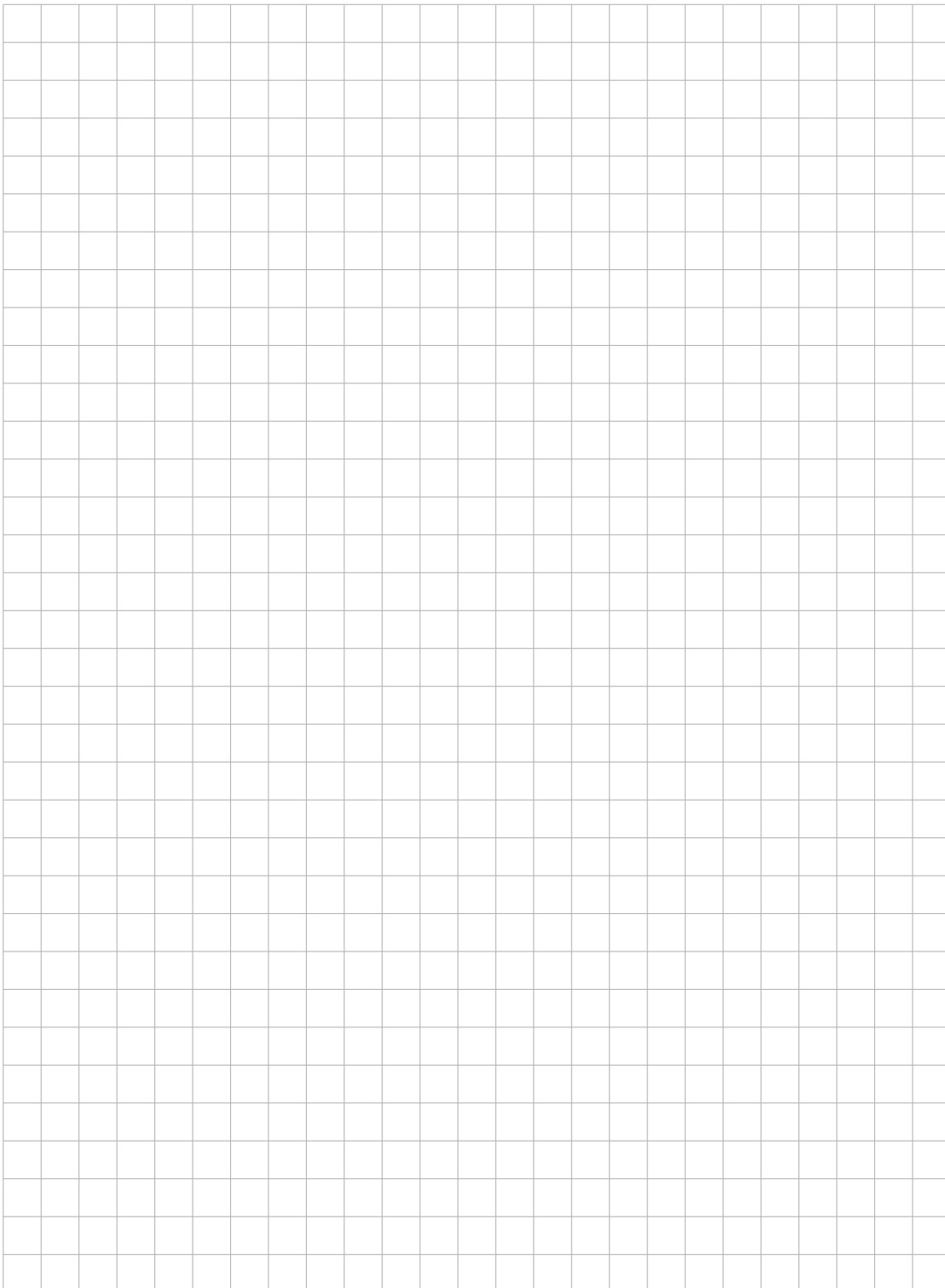


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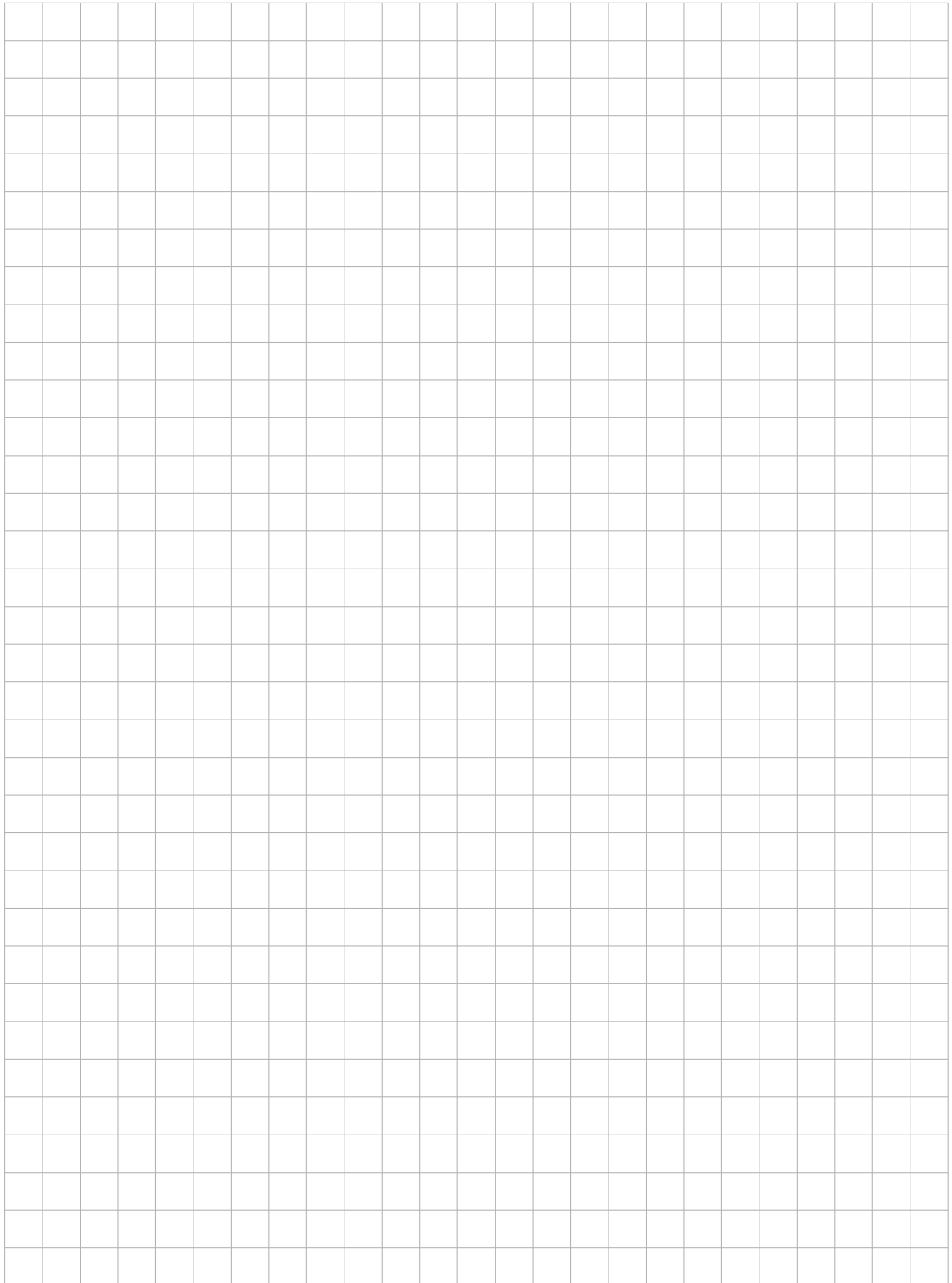




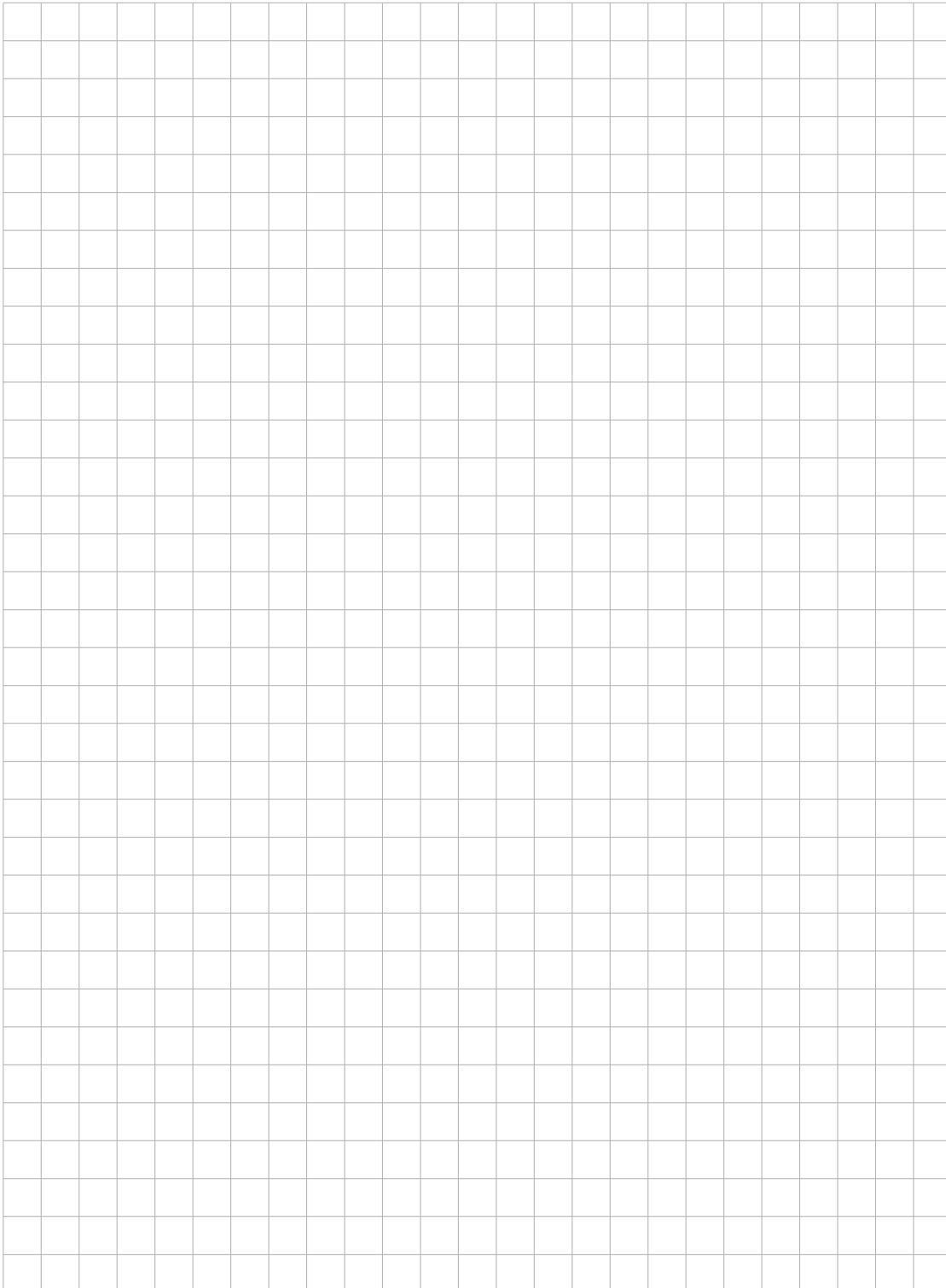
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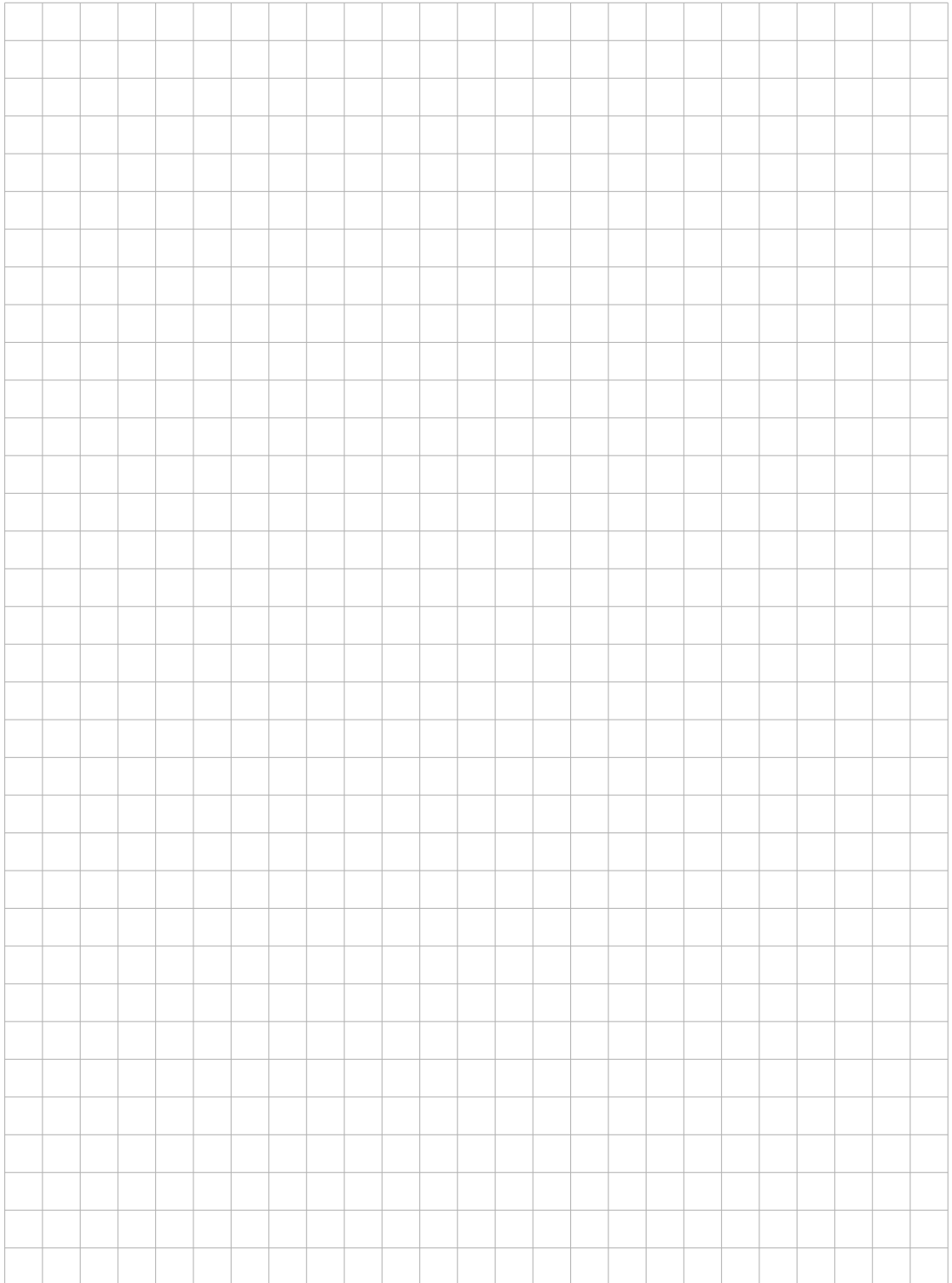
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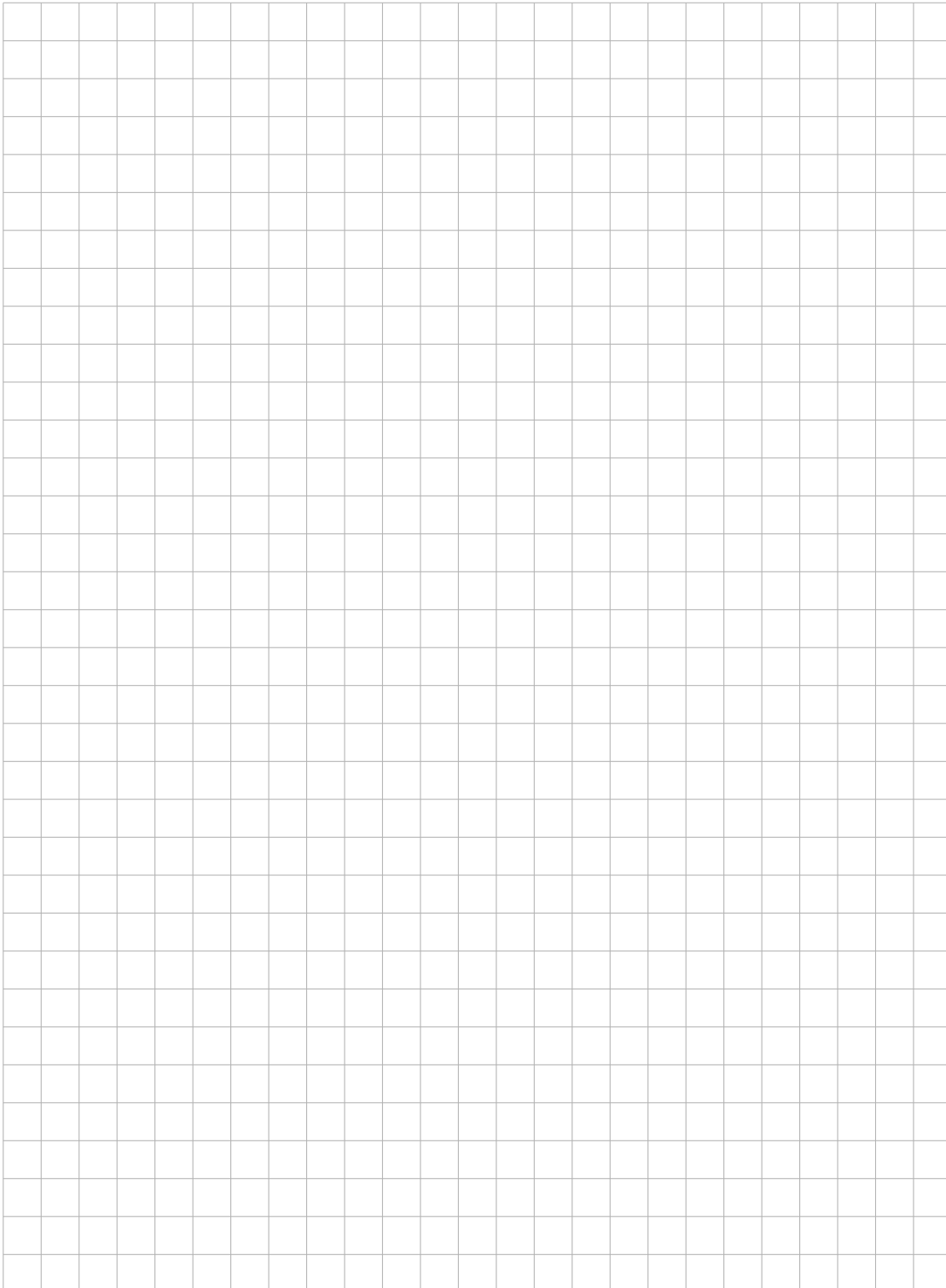
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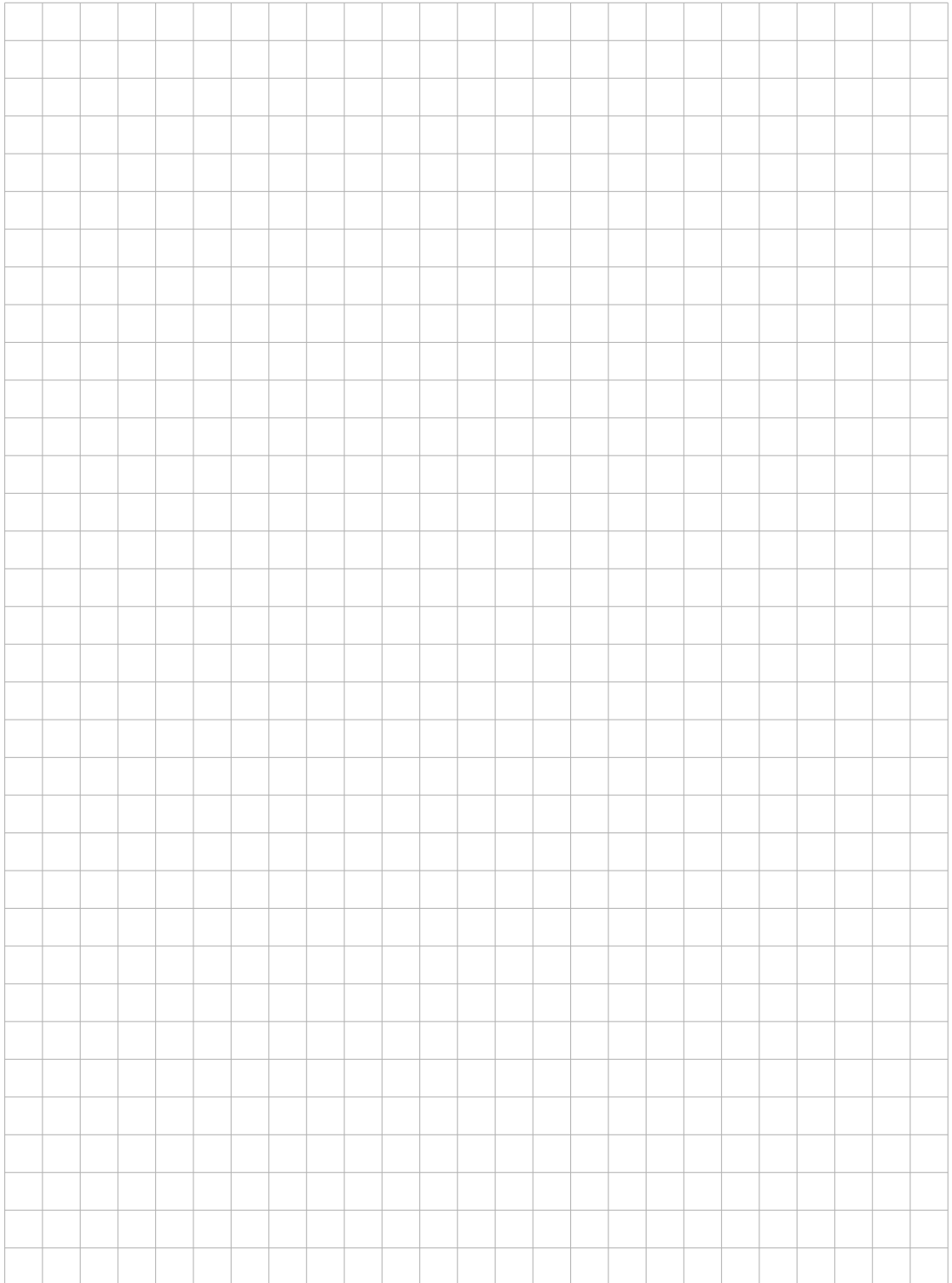
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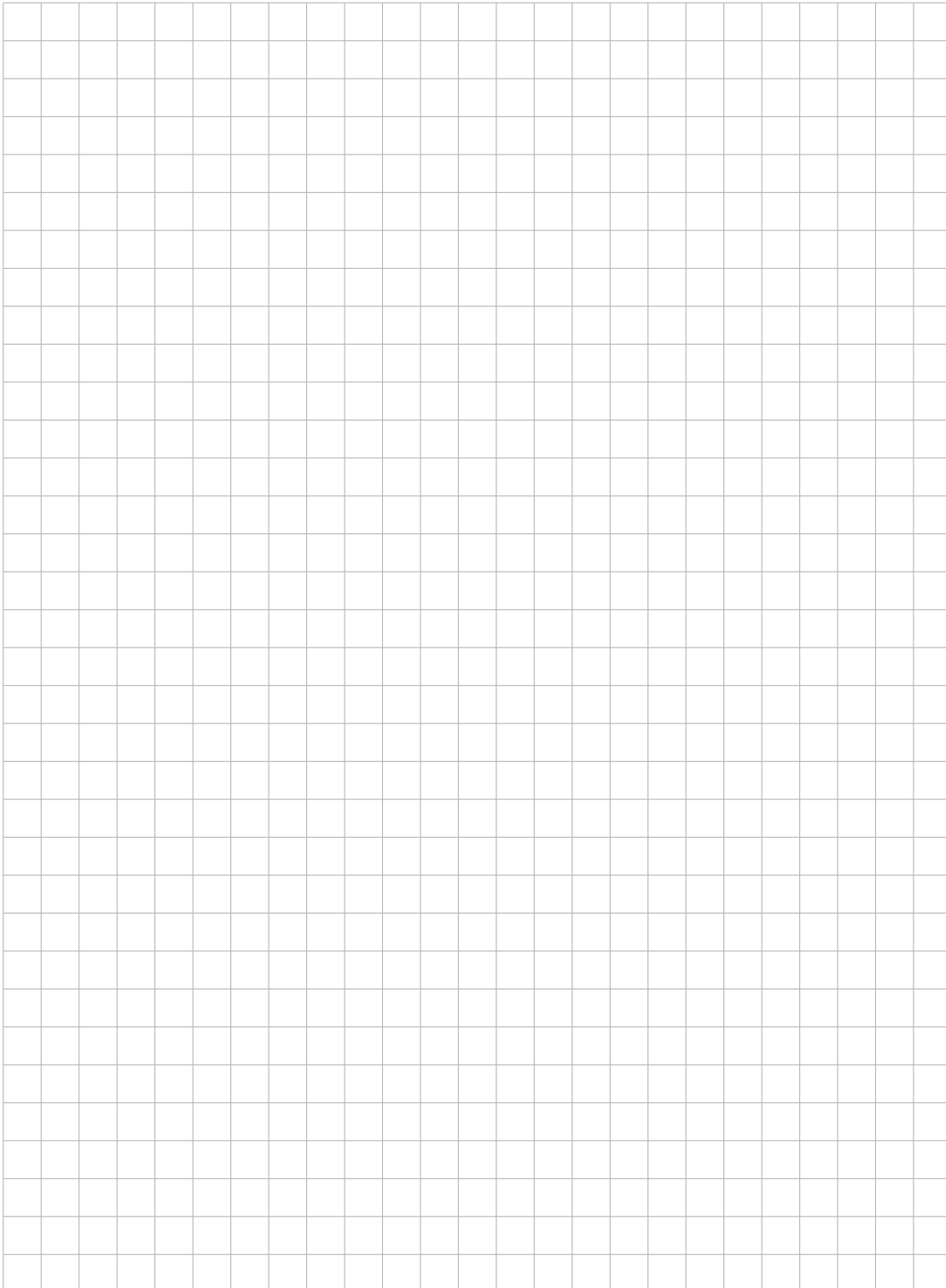
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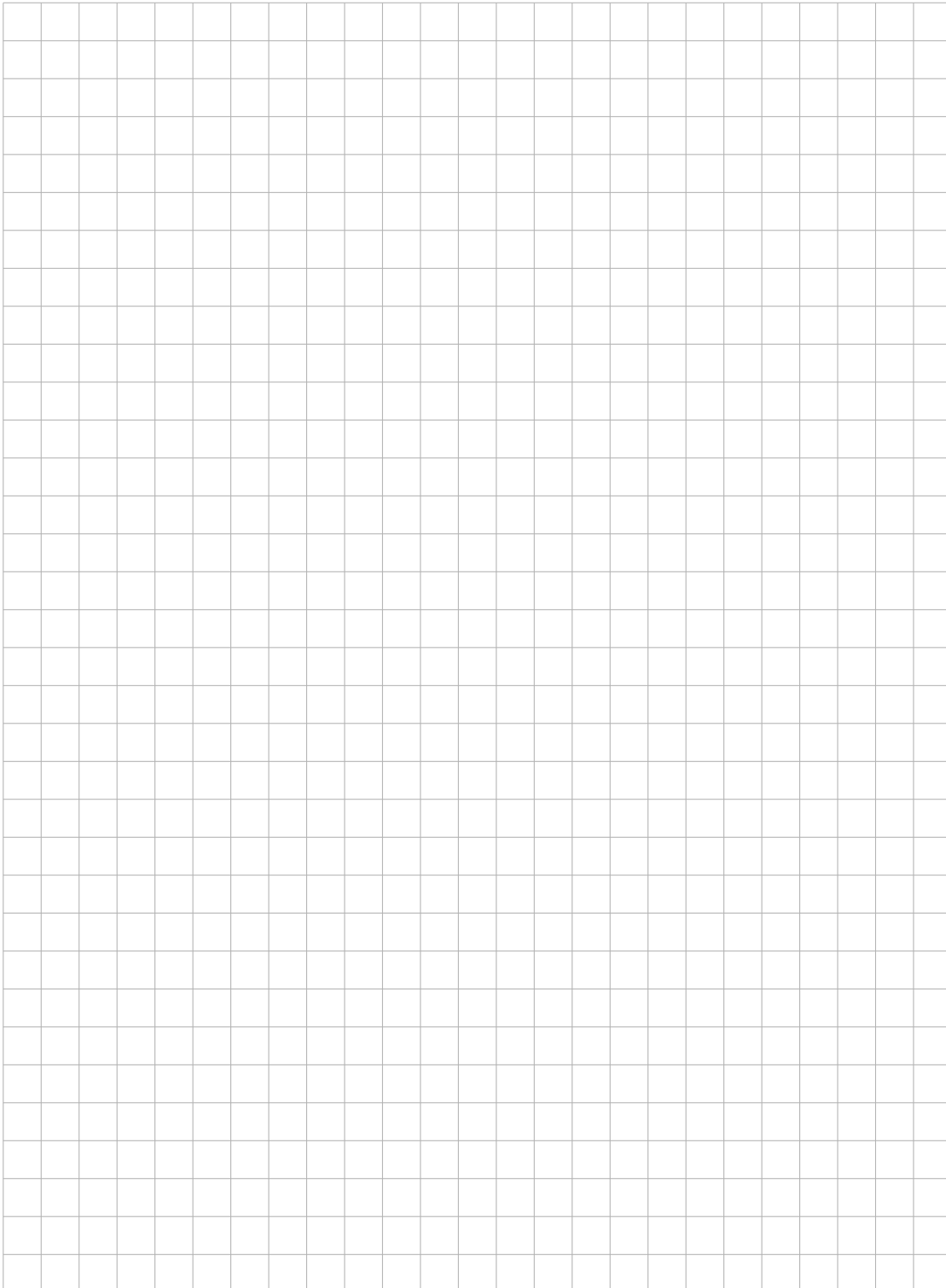


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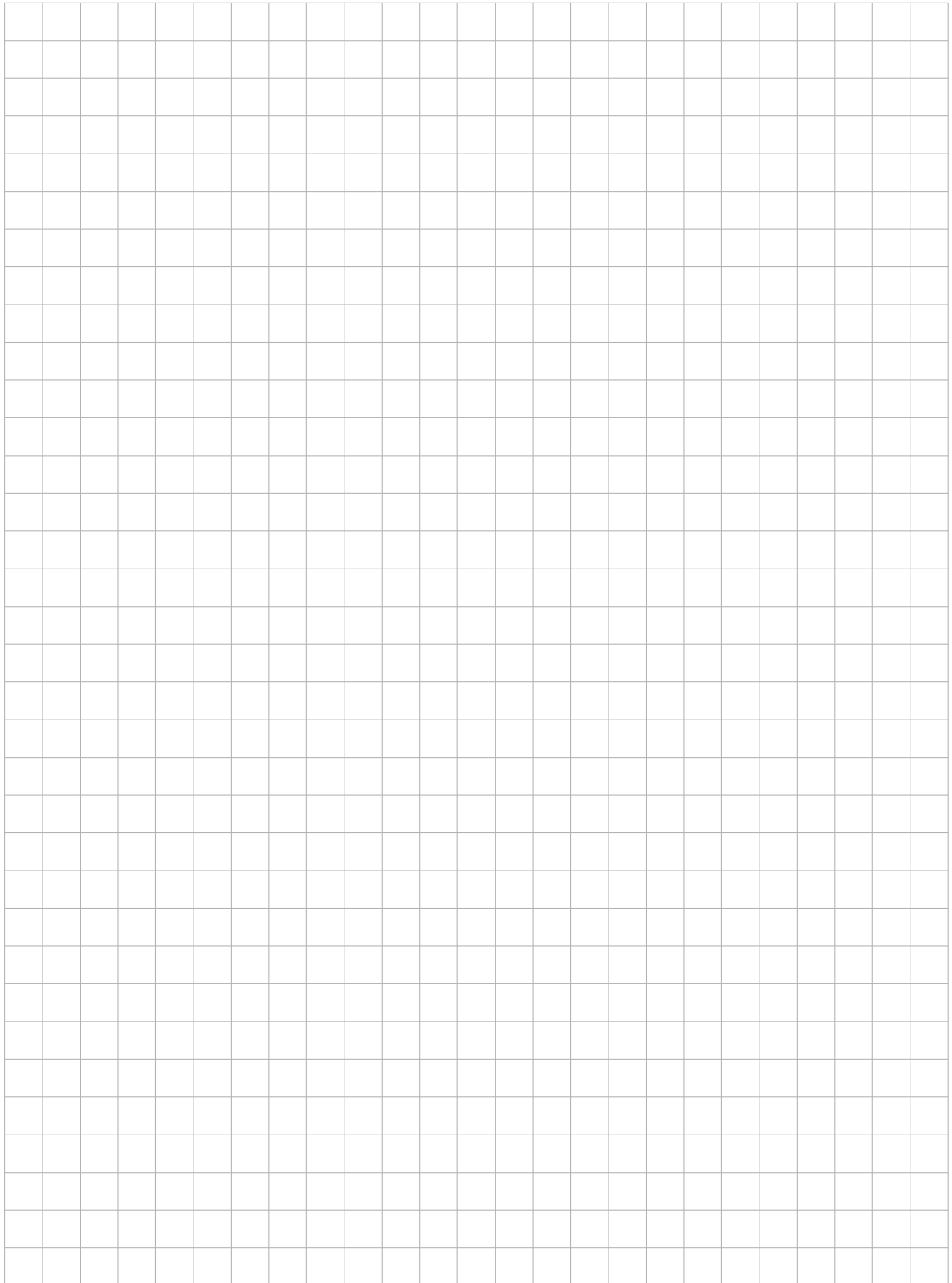




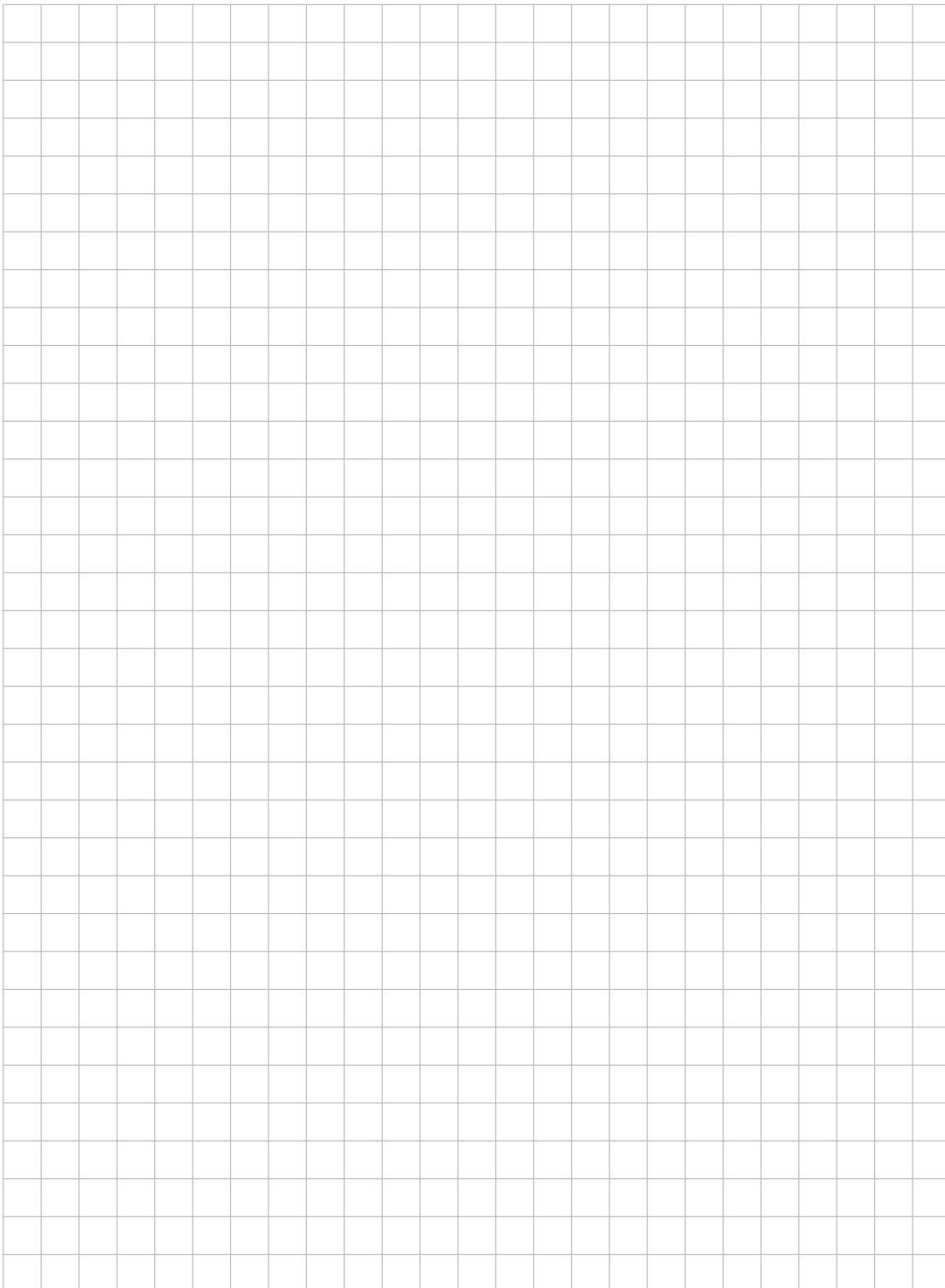
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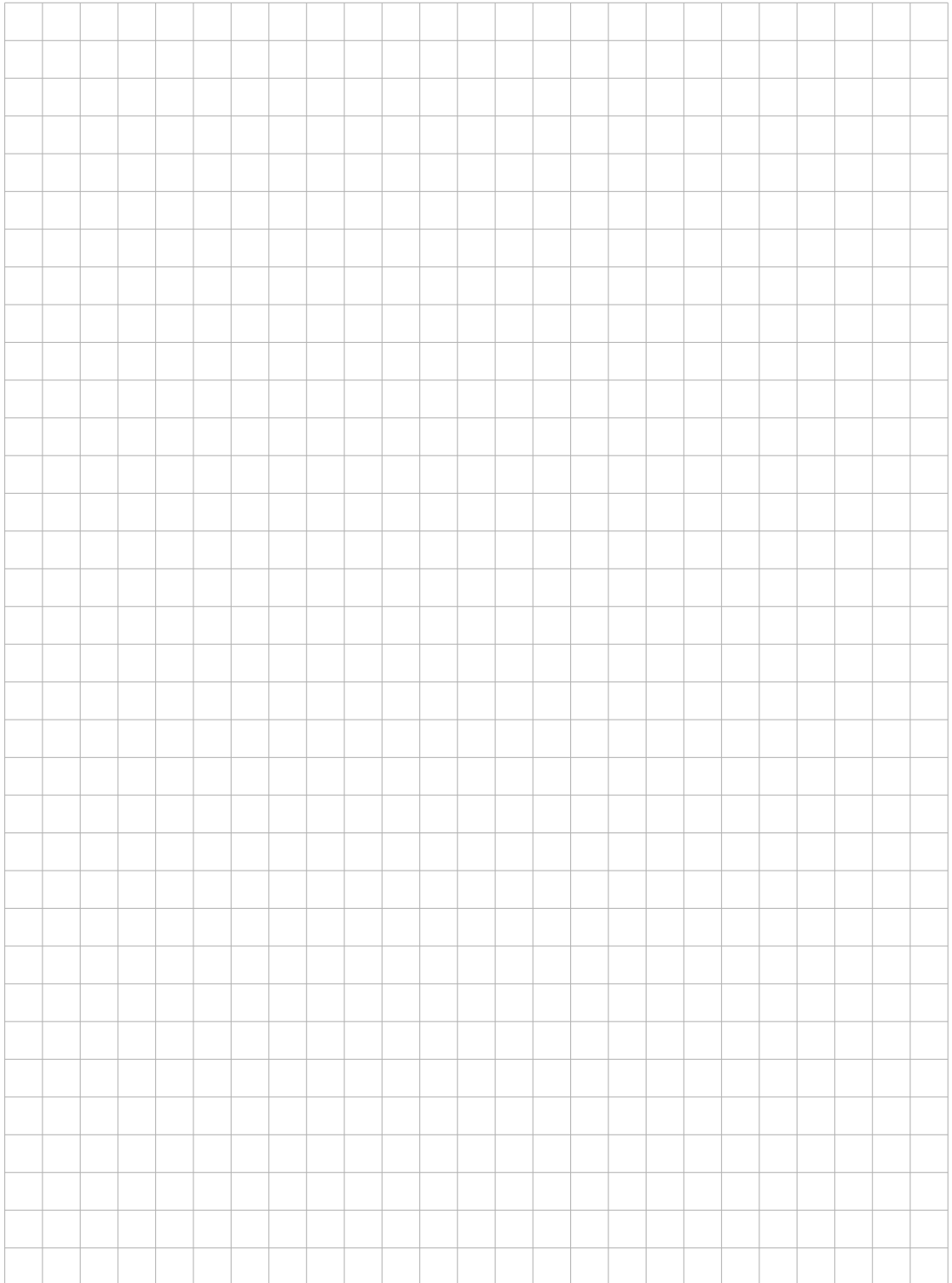
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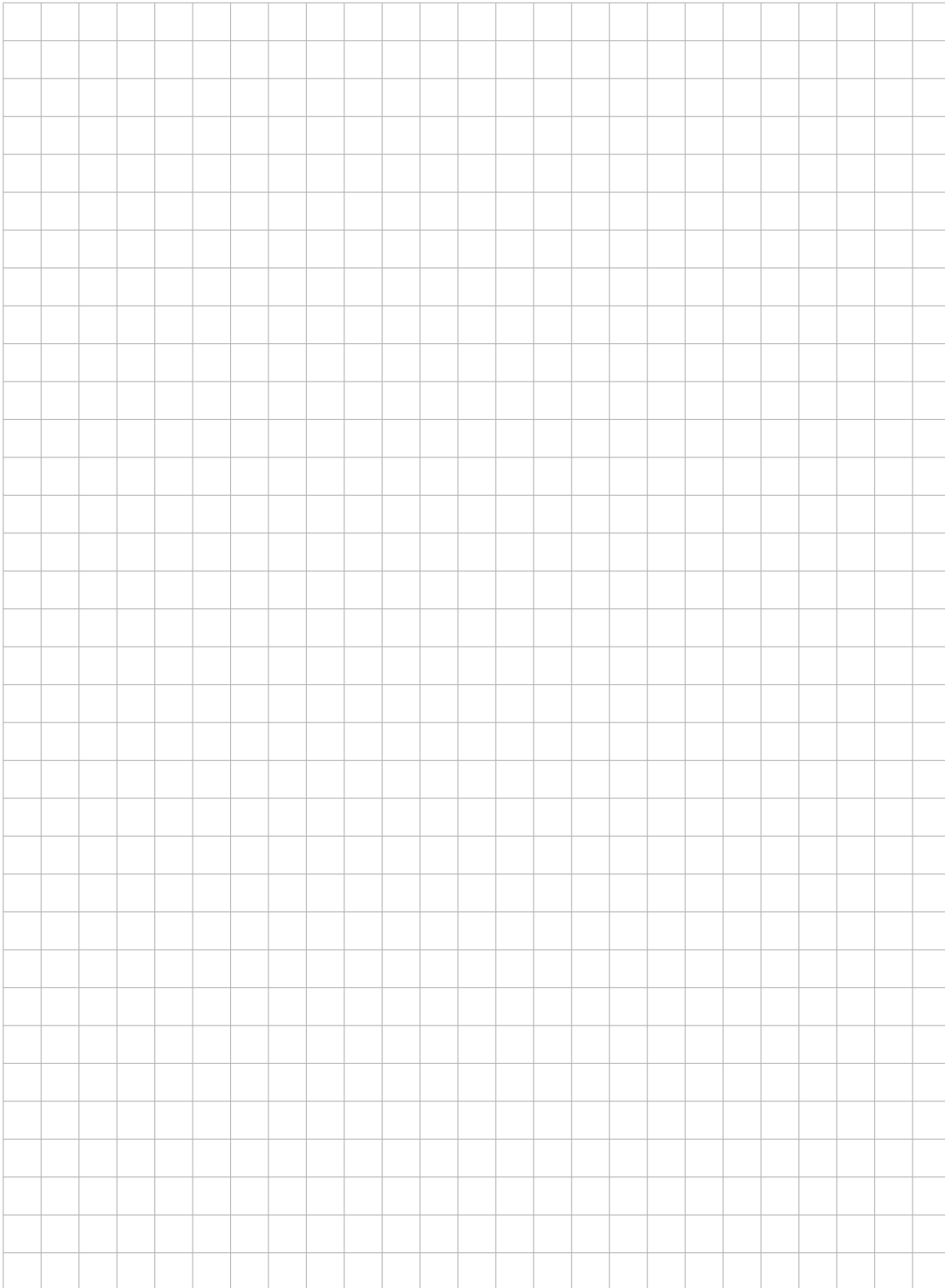
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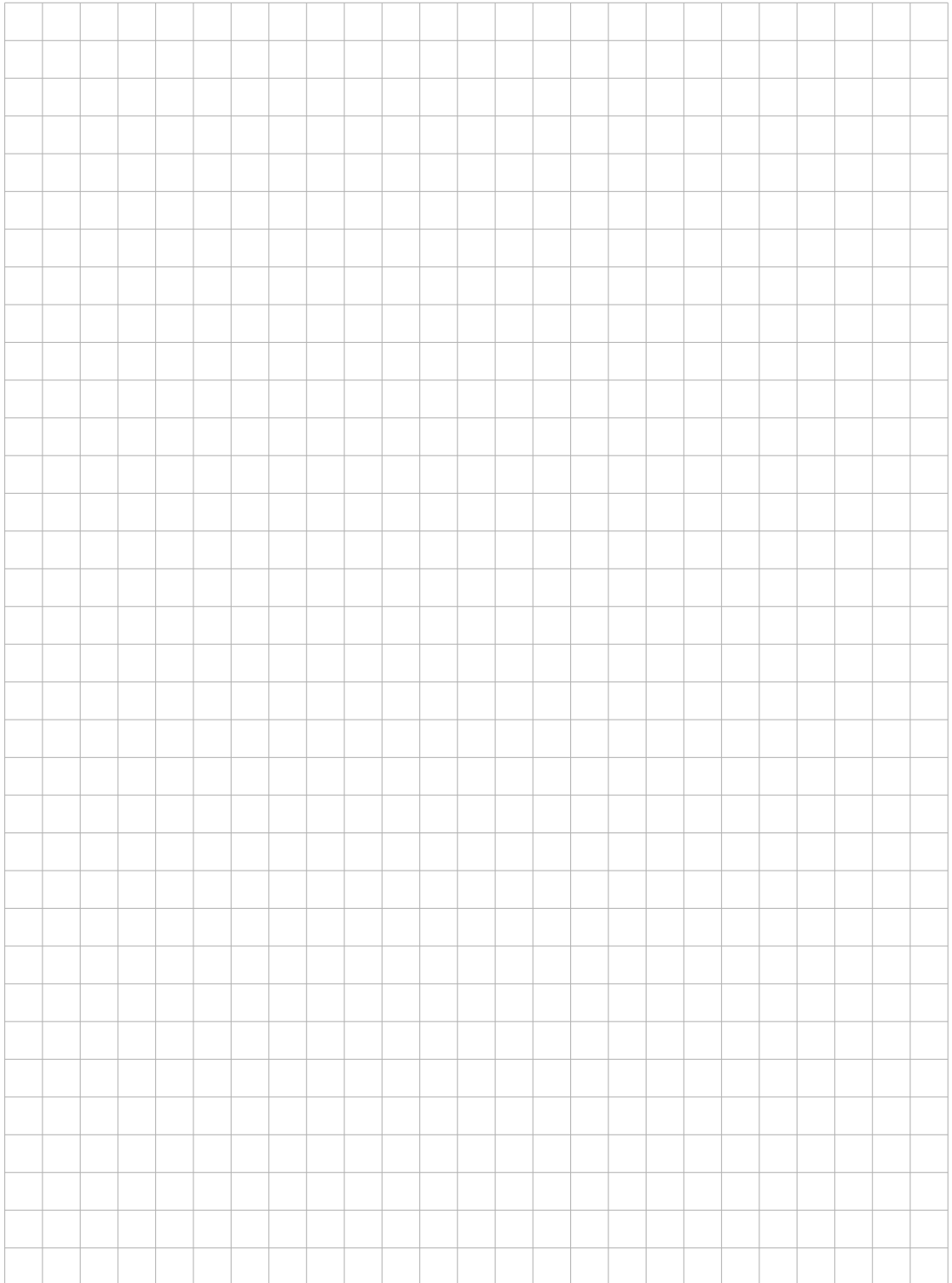
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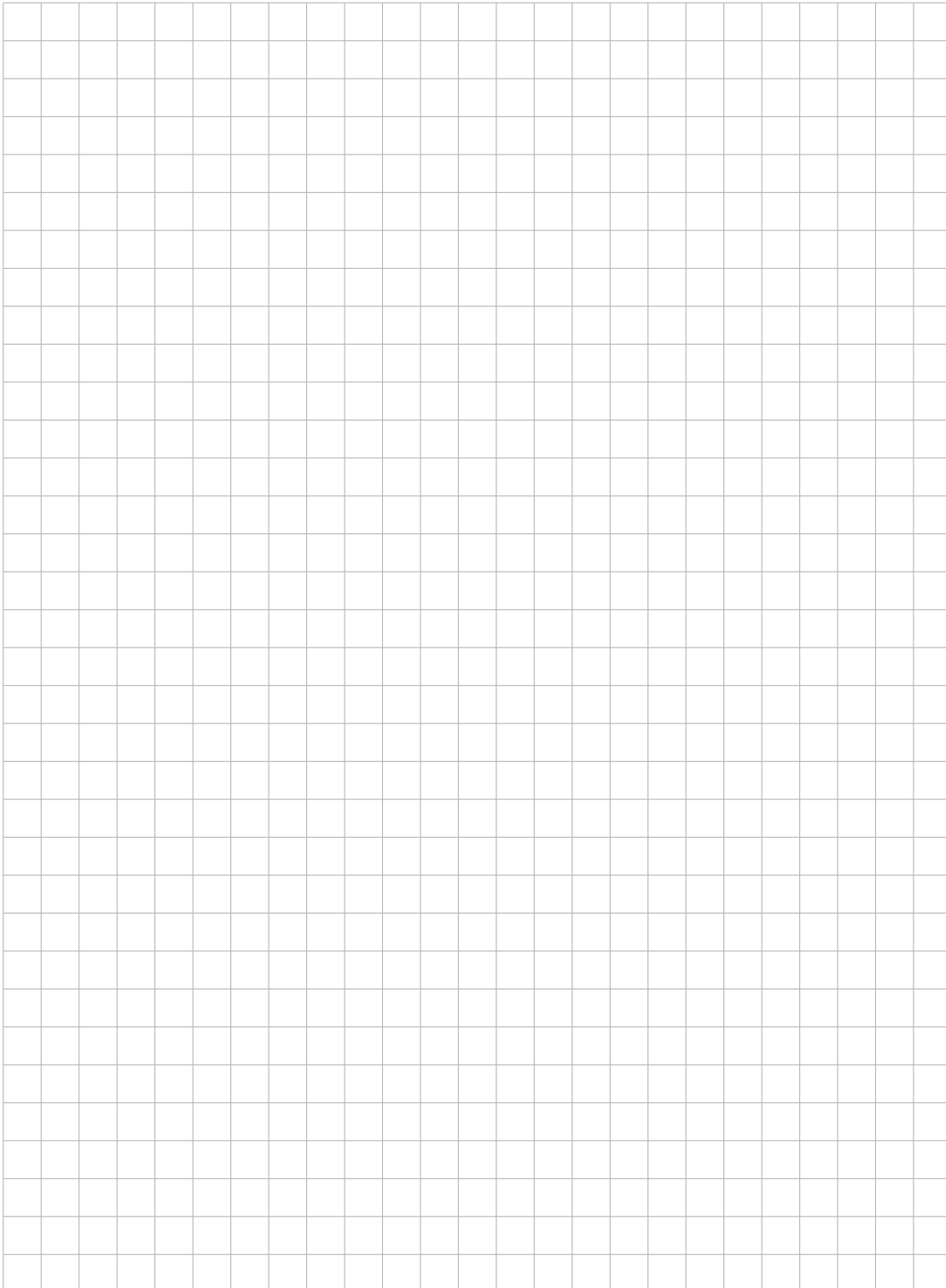
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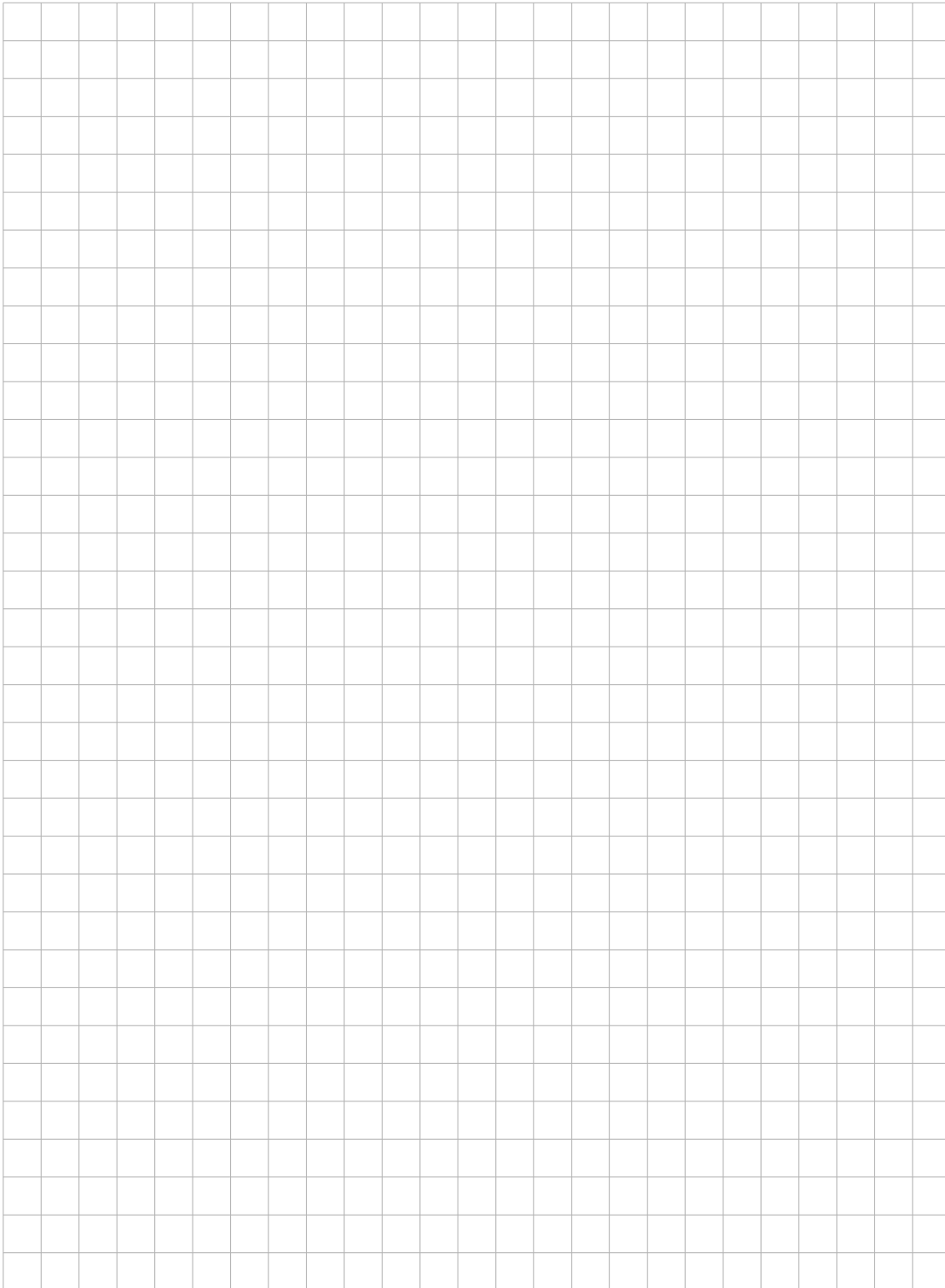


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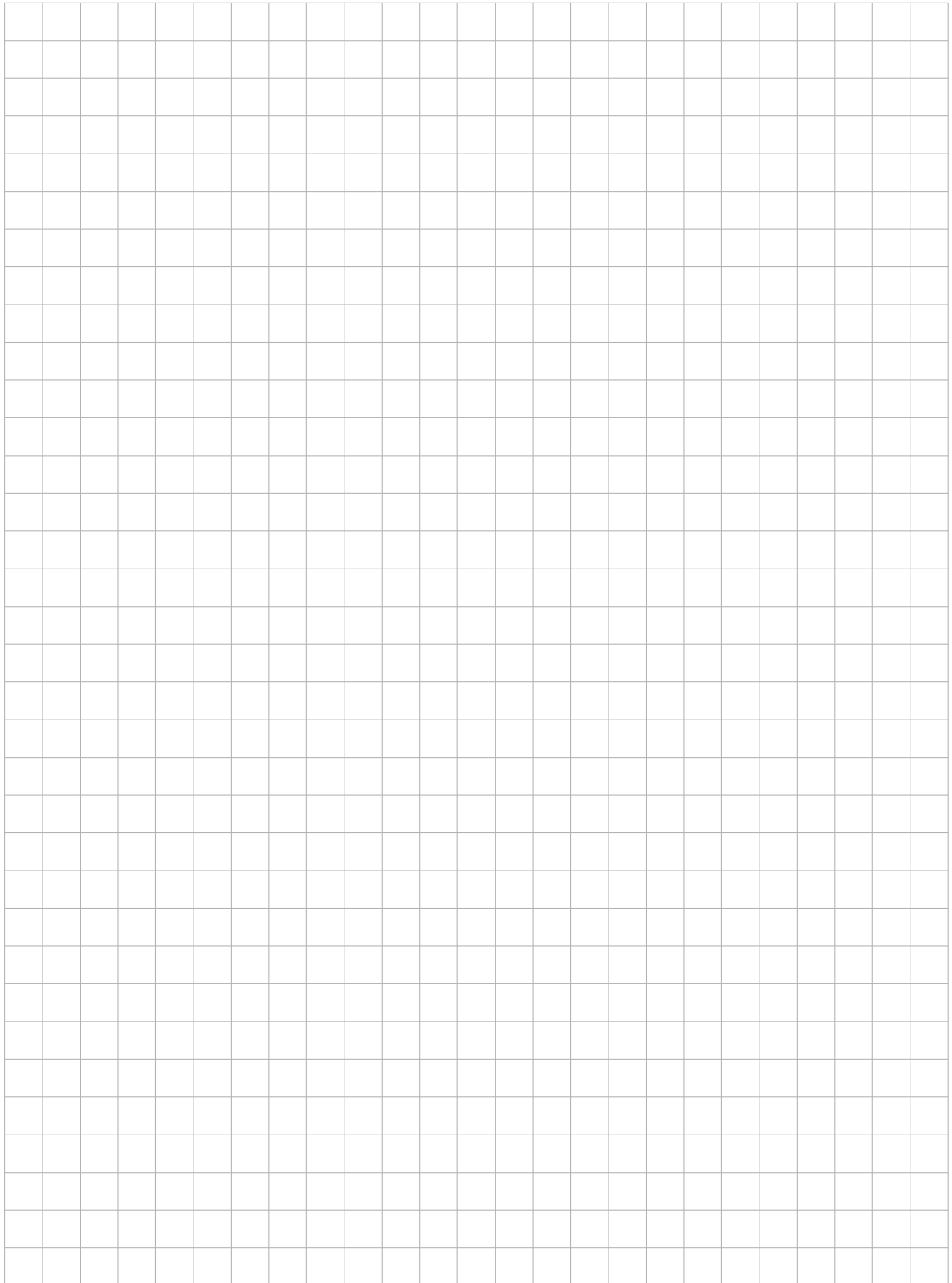




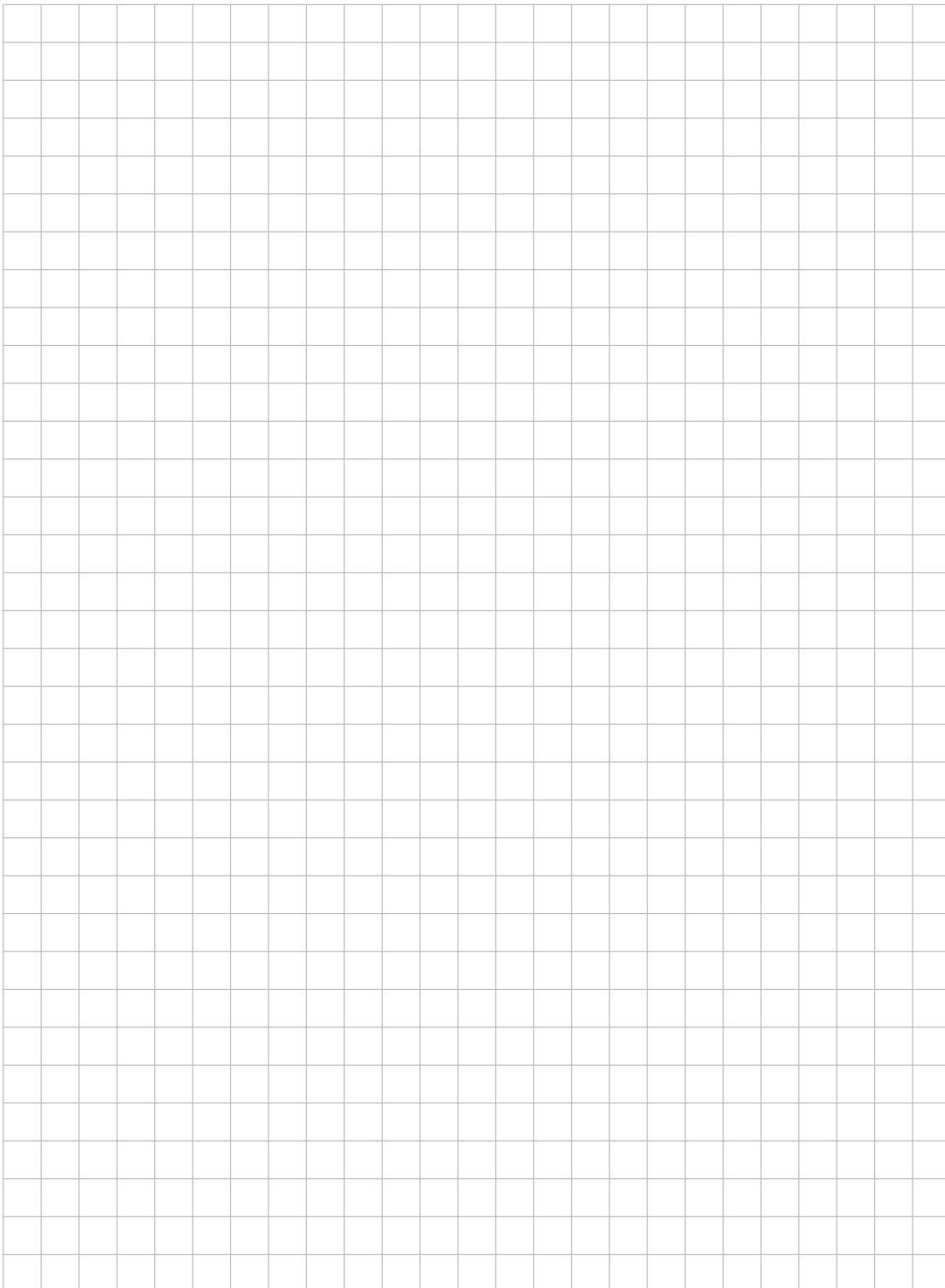
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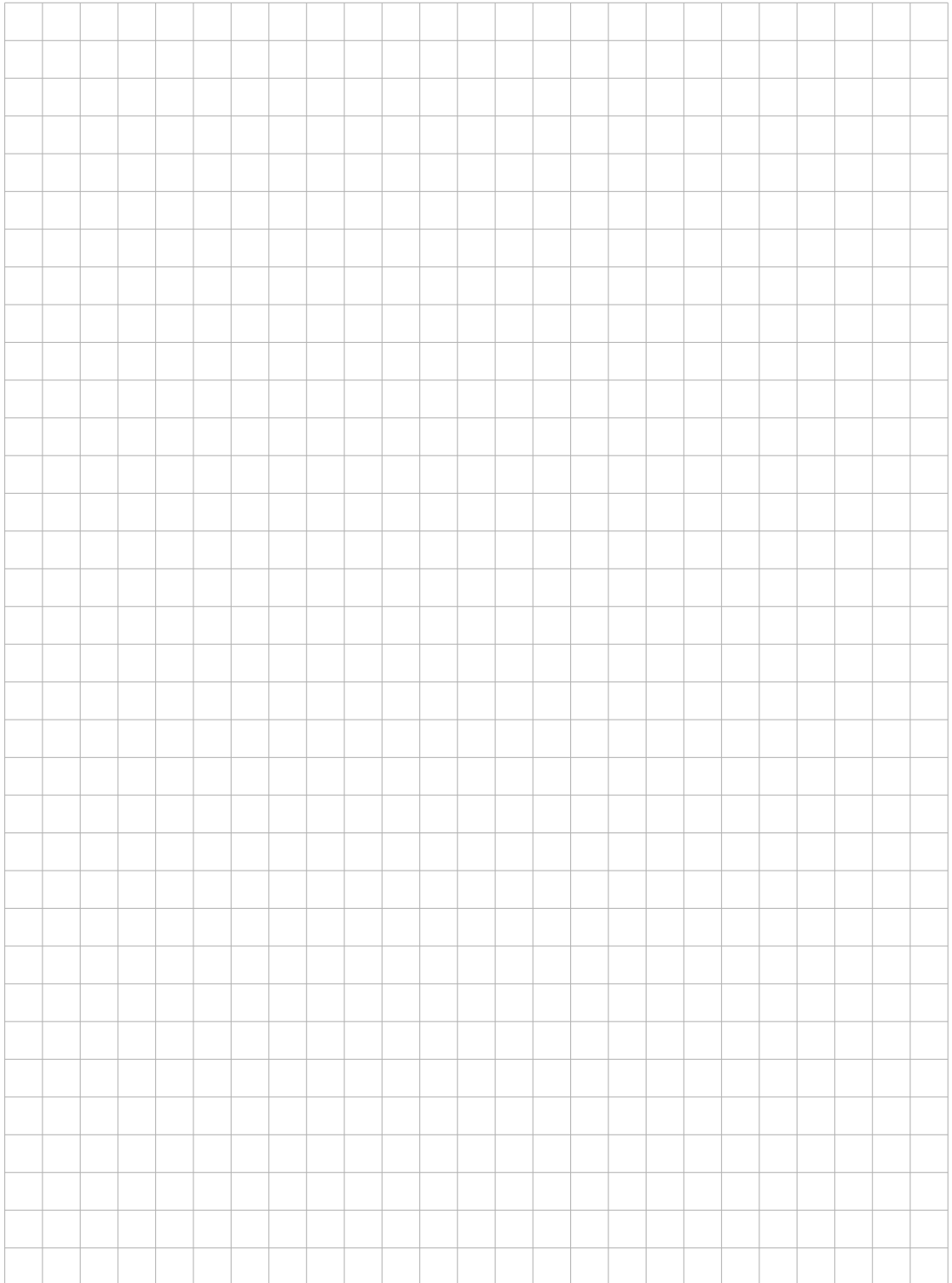
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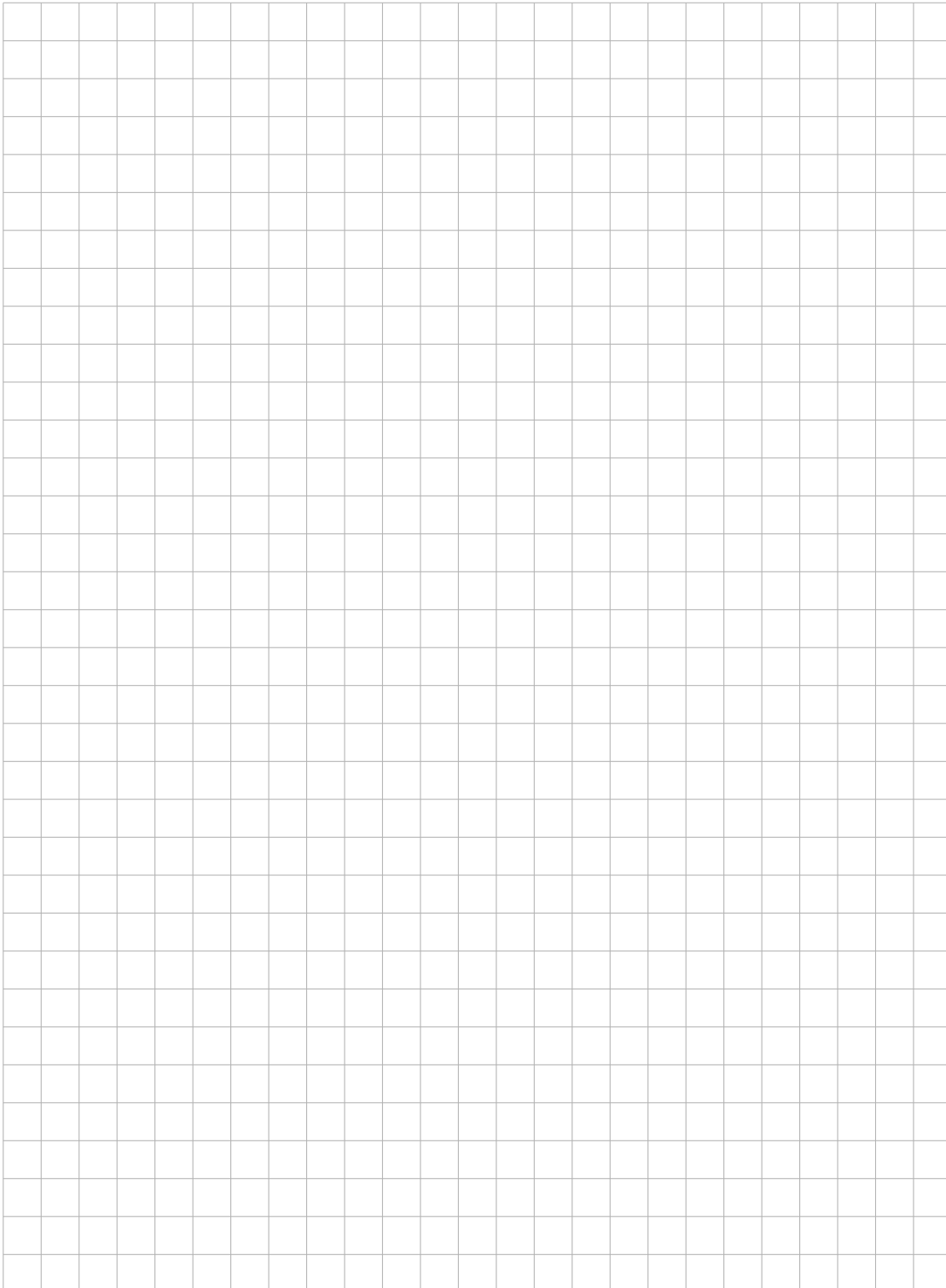
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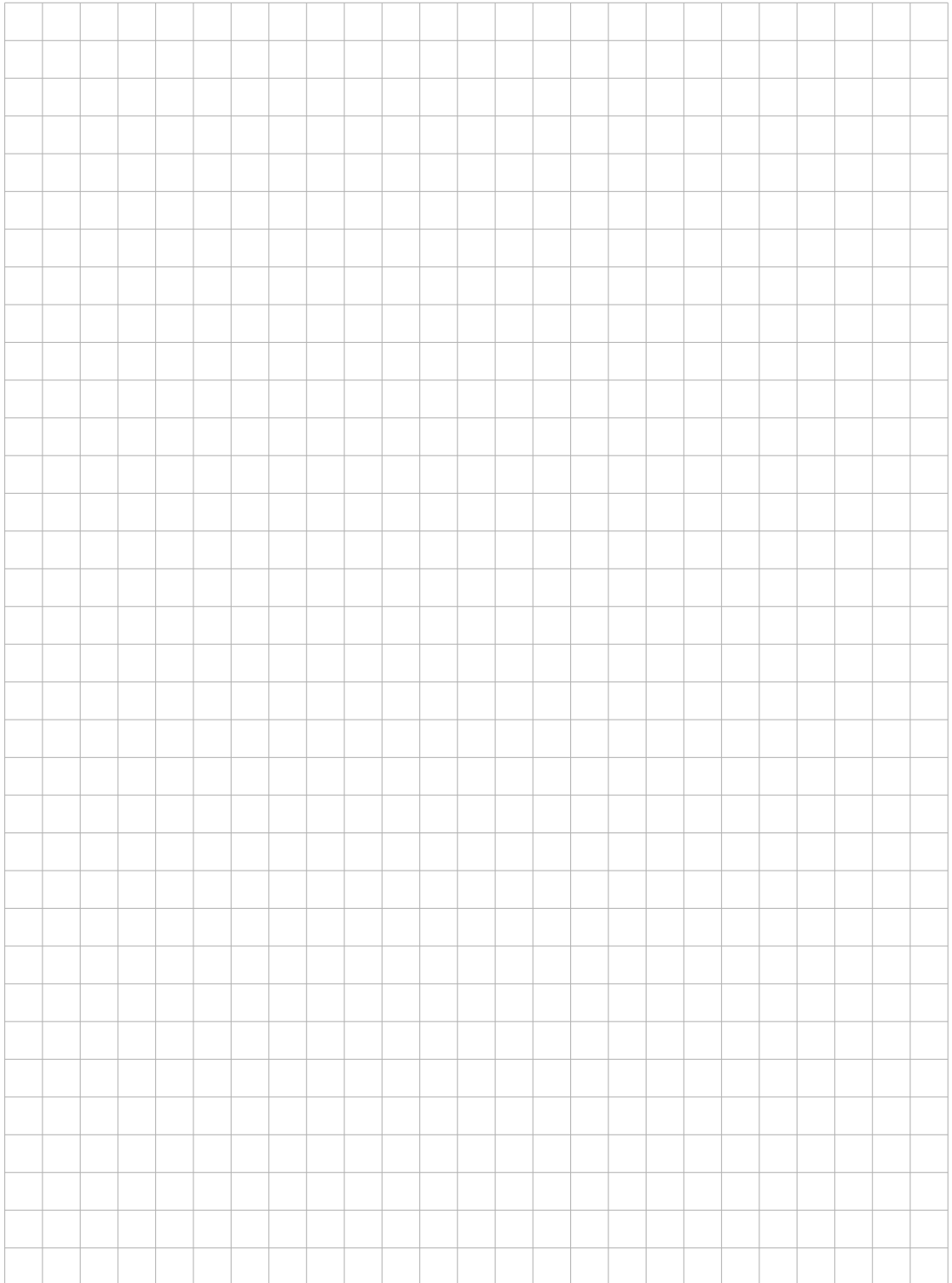
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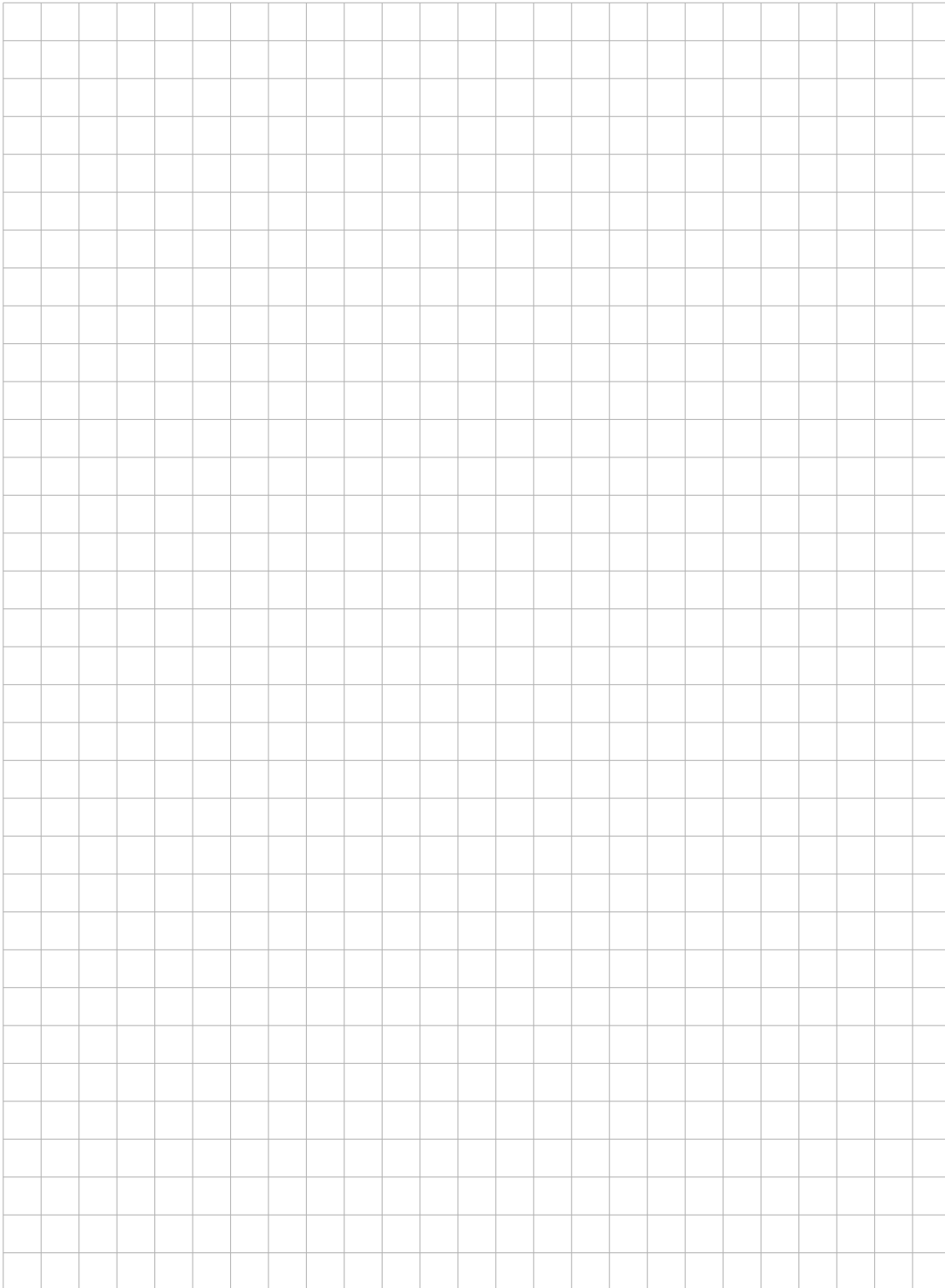
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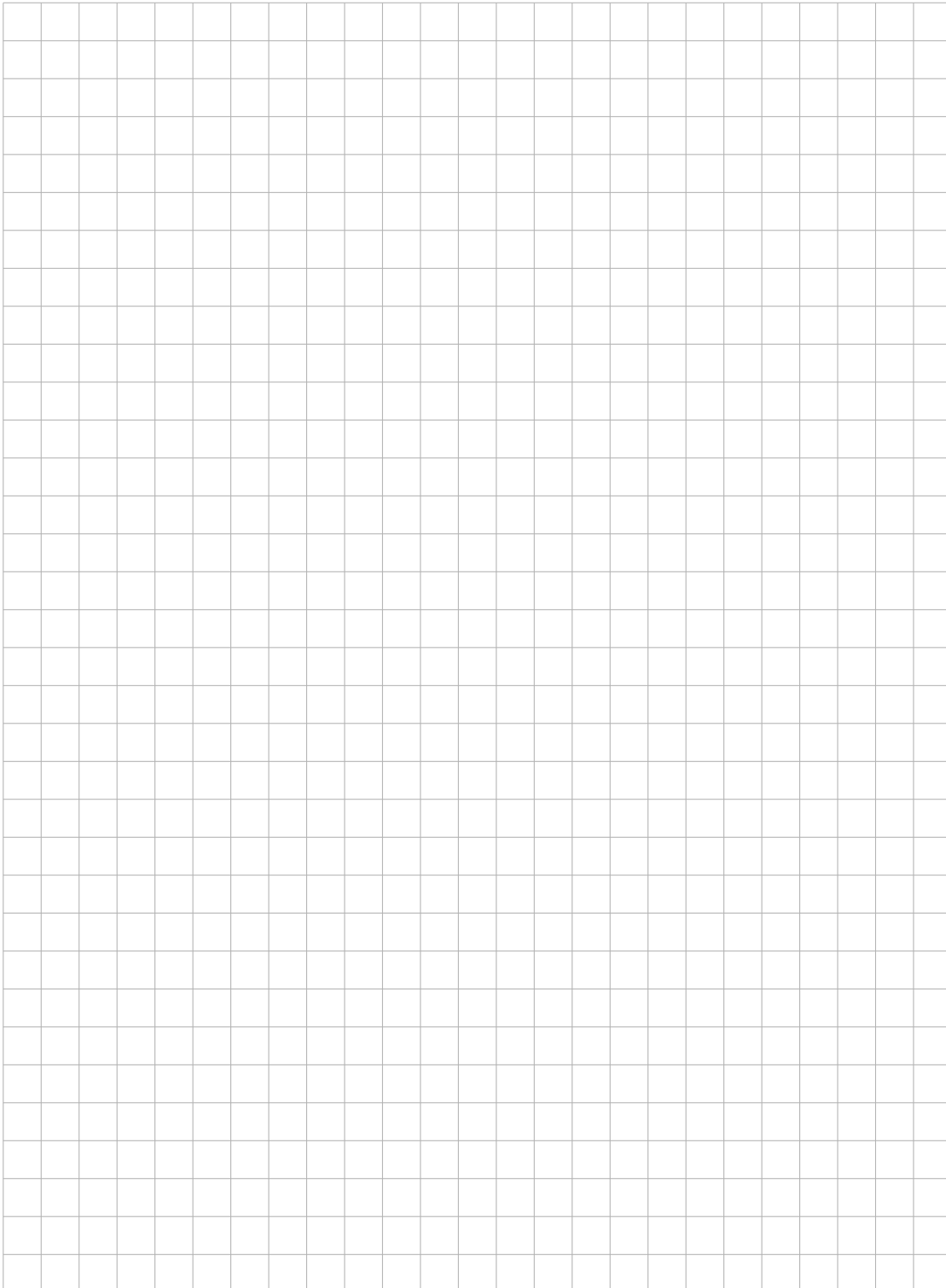


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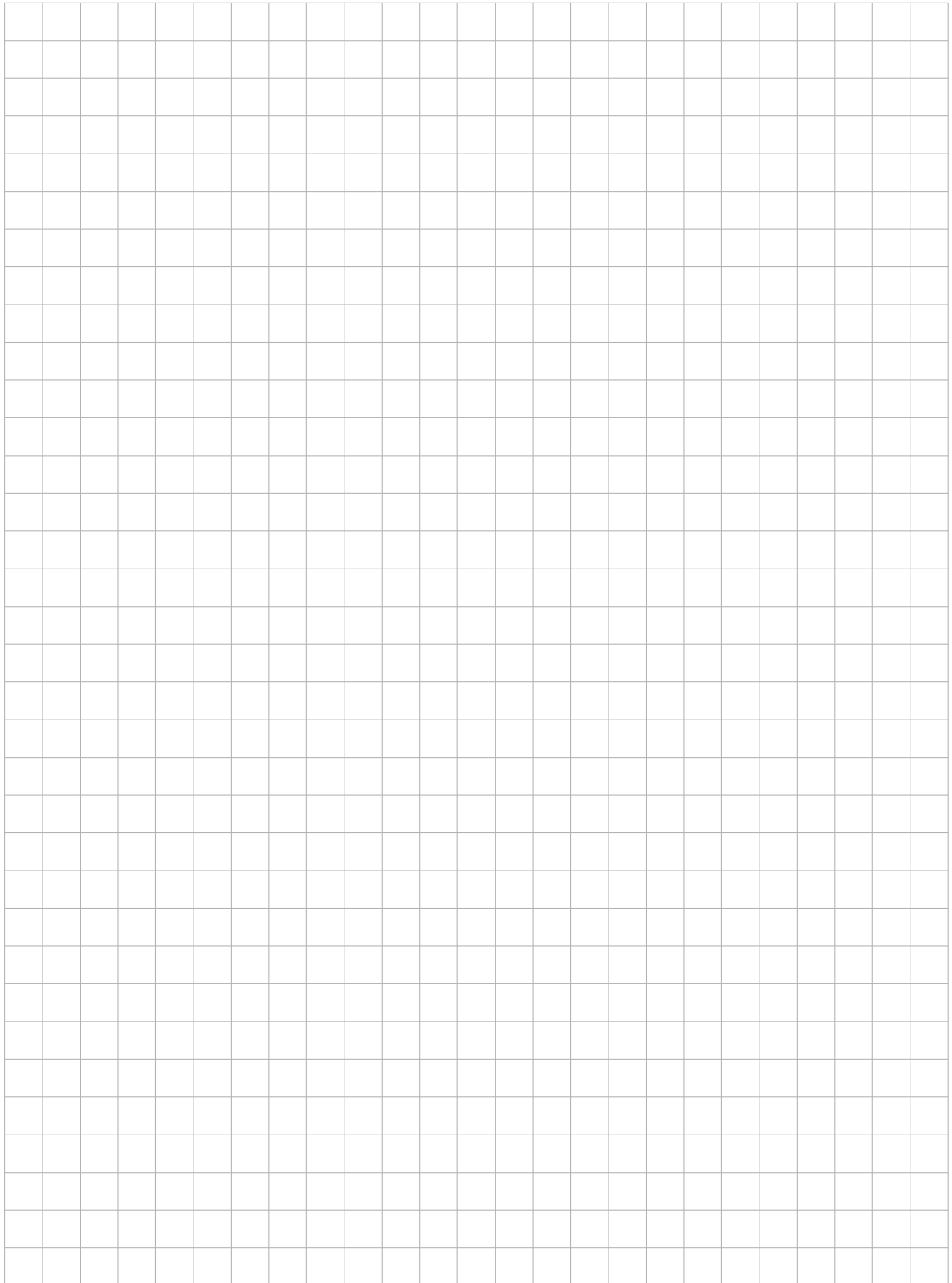




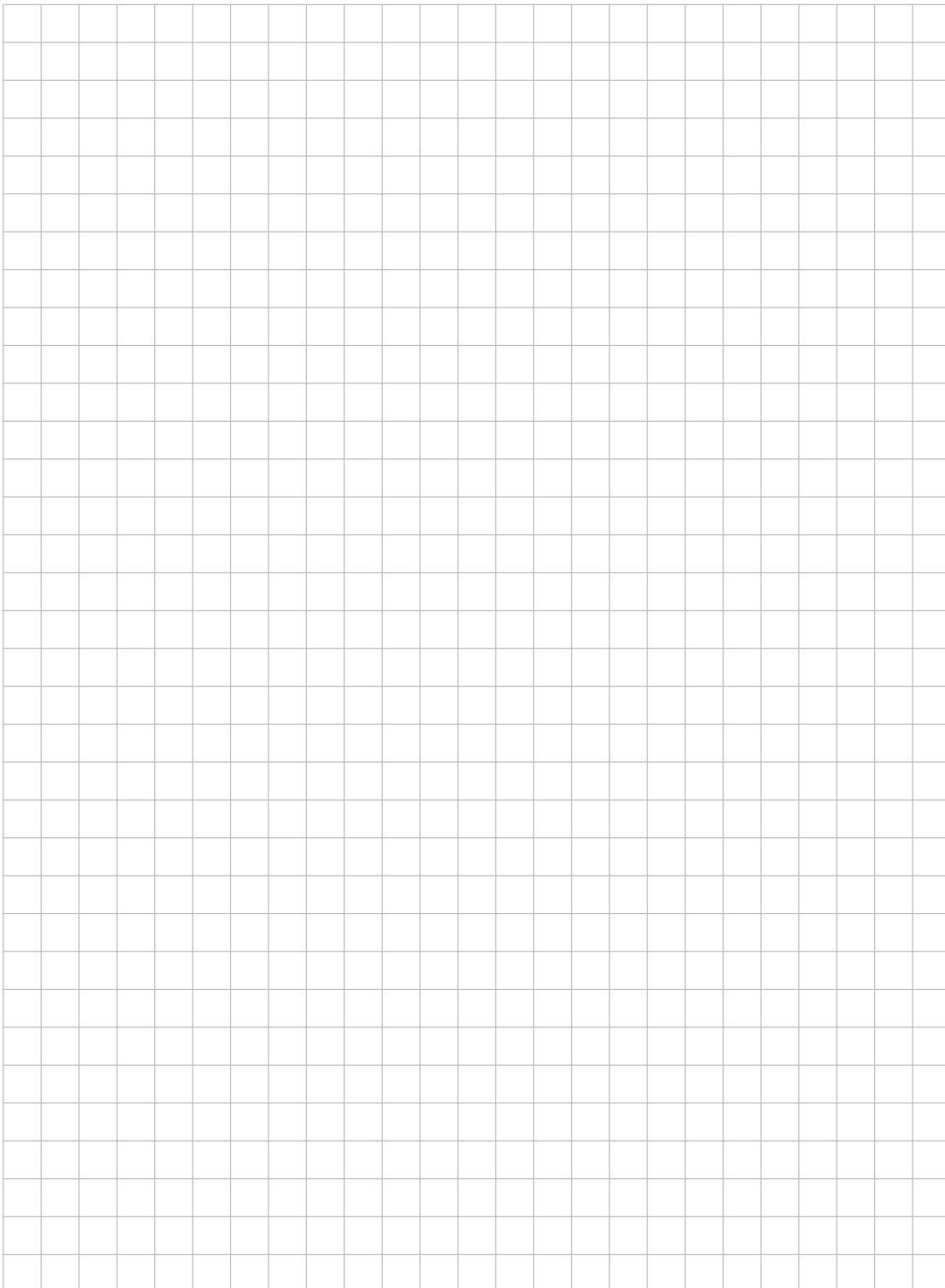
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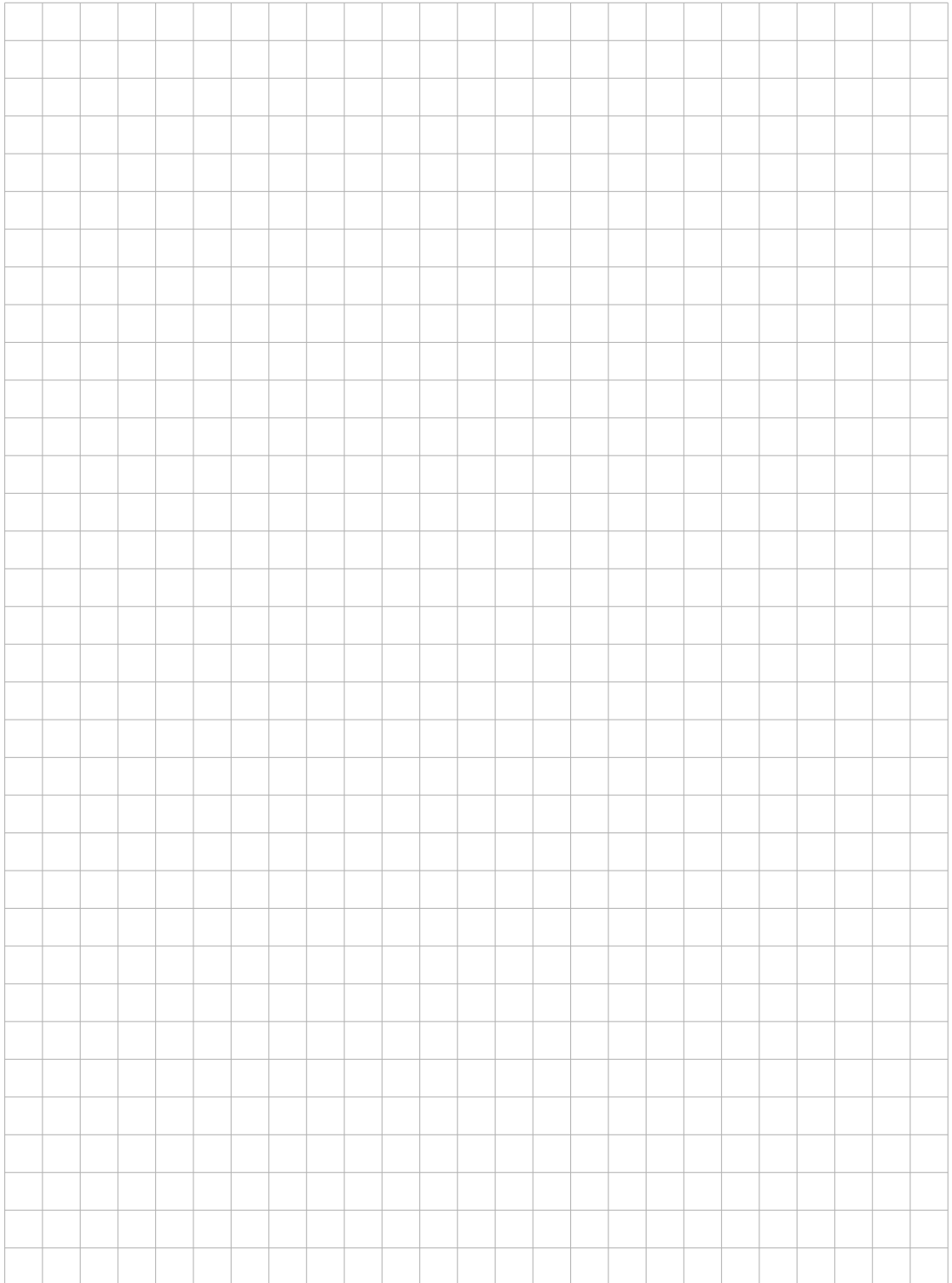
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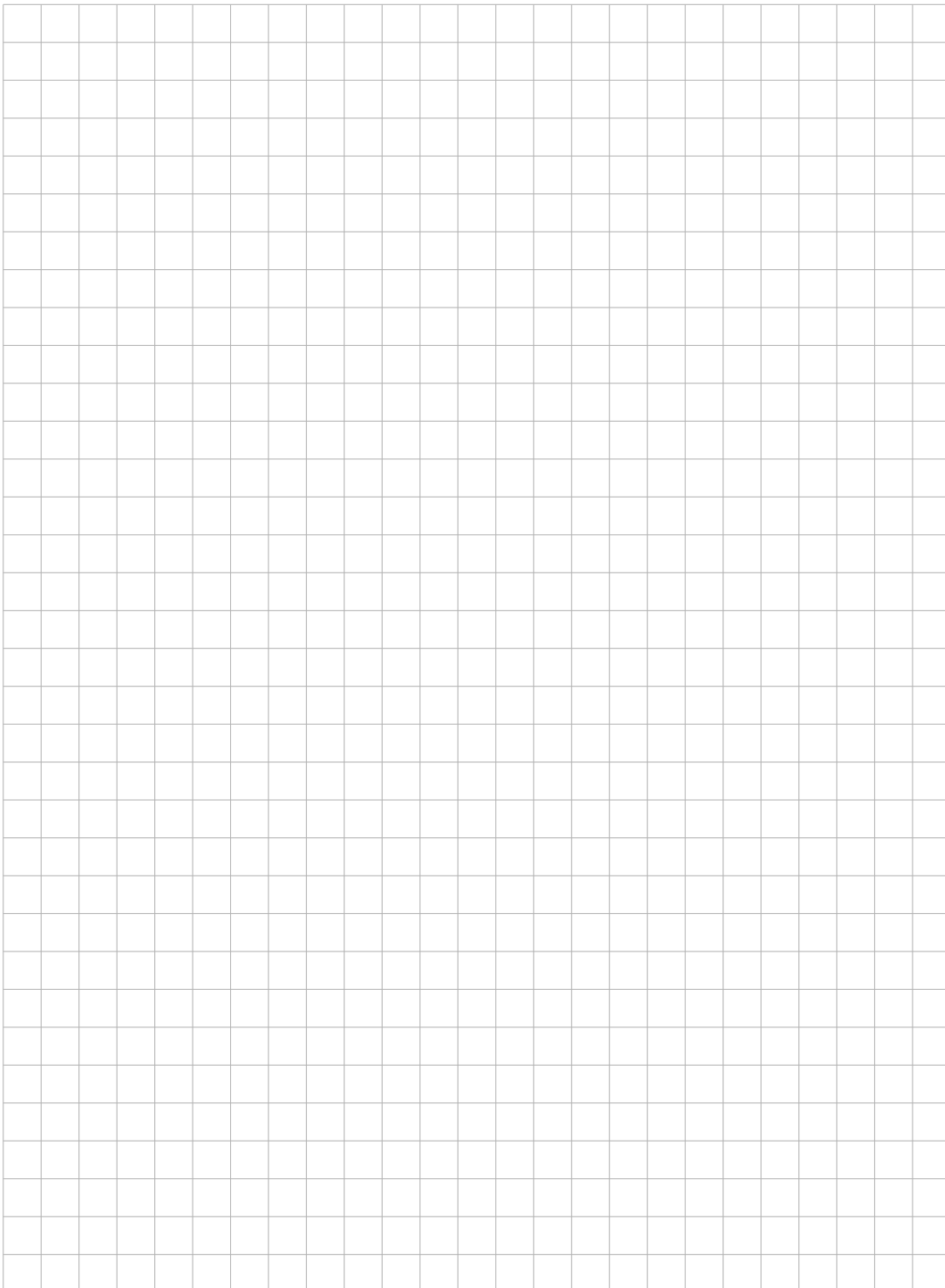
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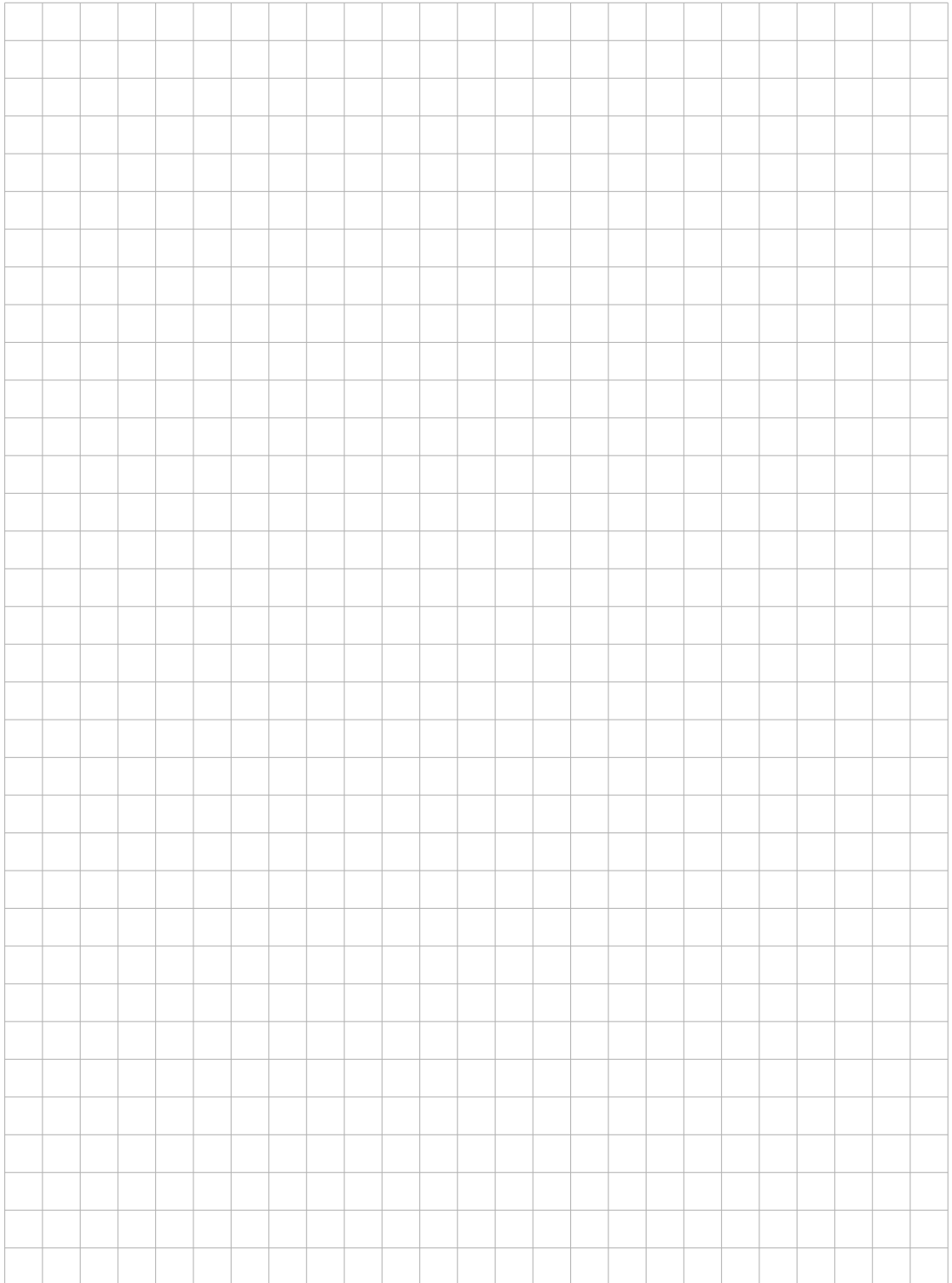
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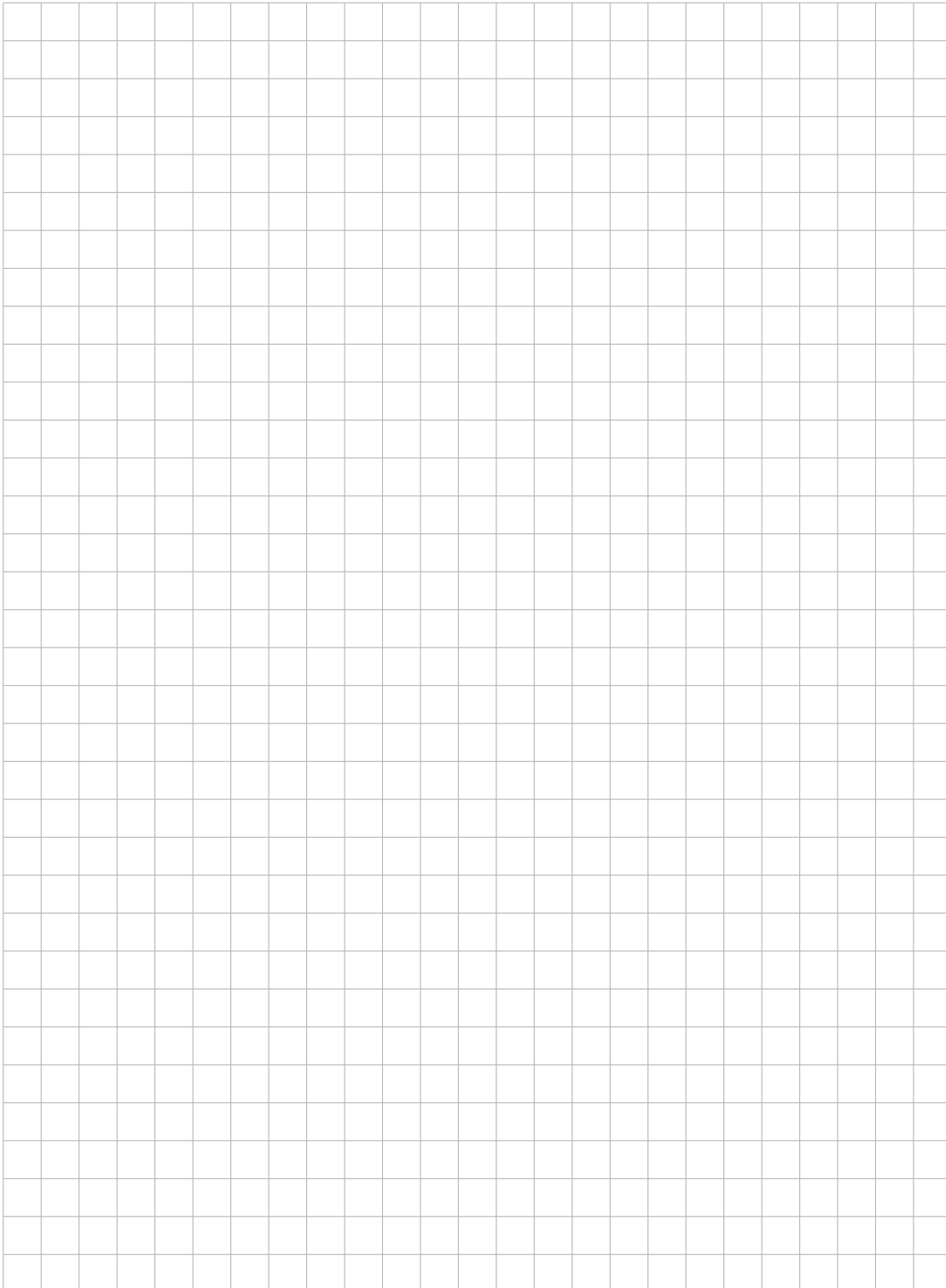
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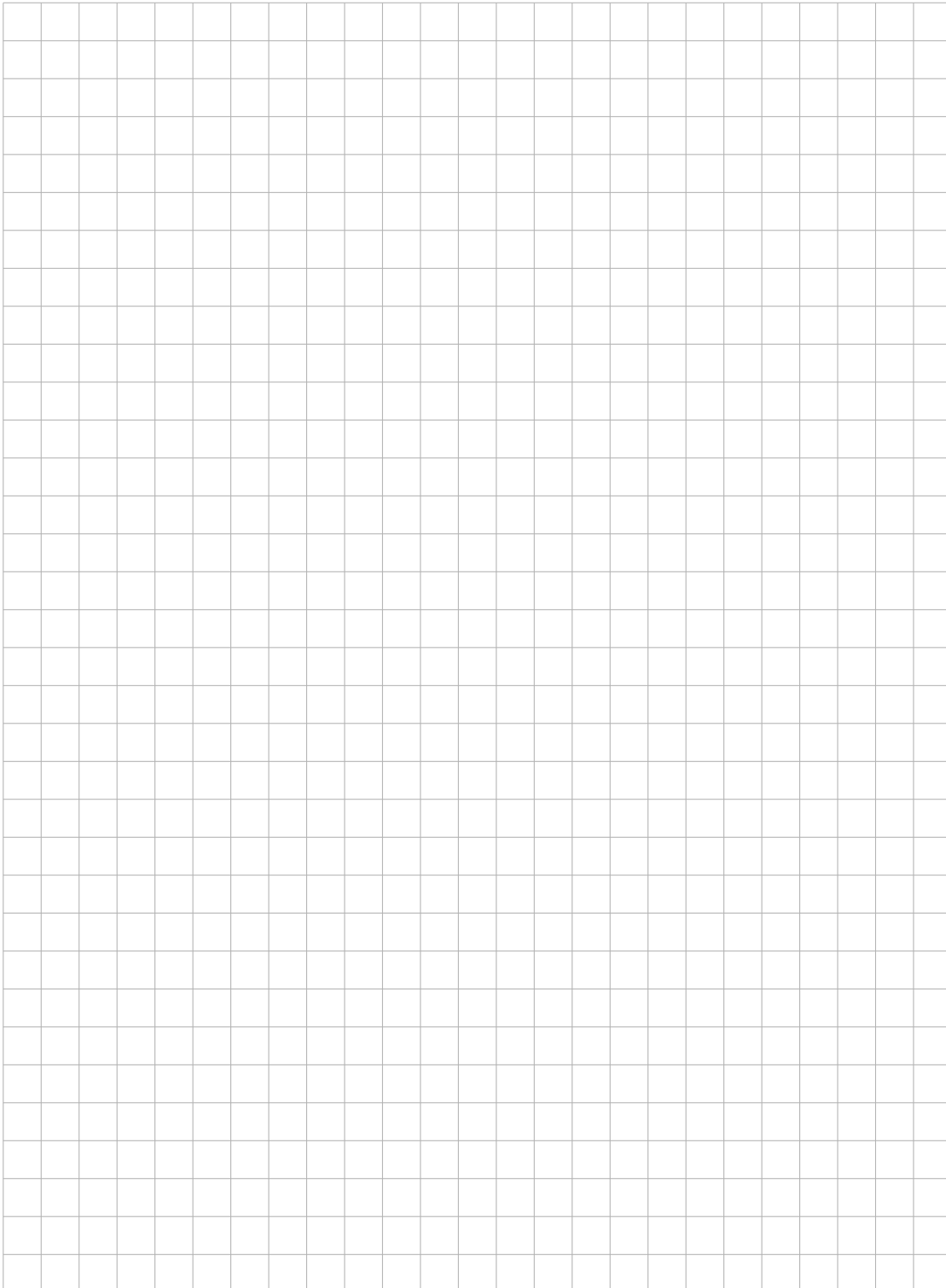


**Notes**

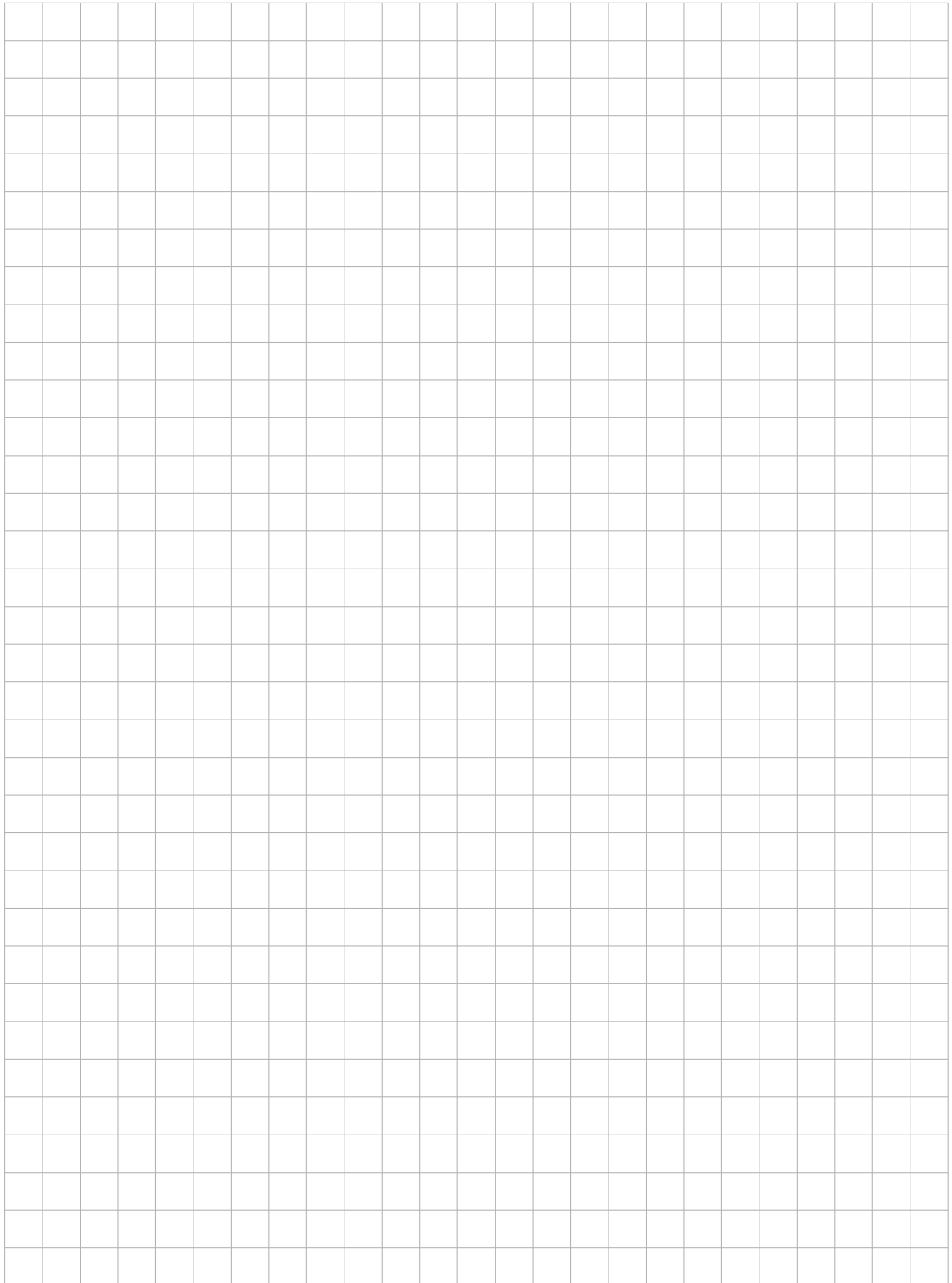




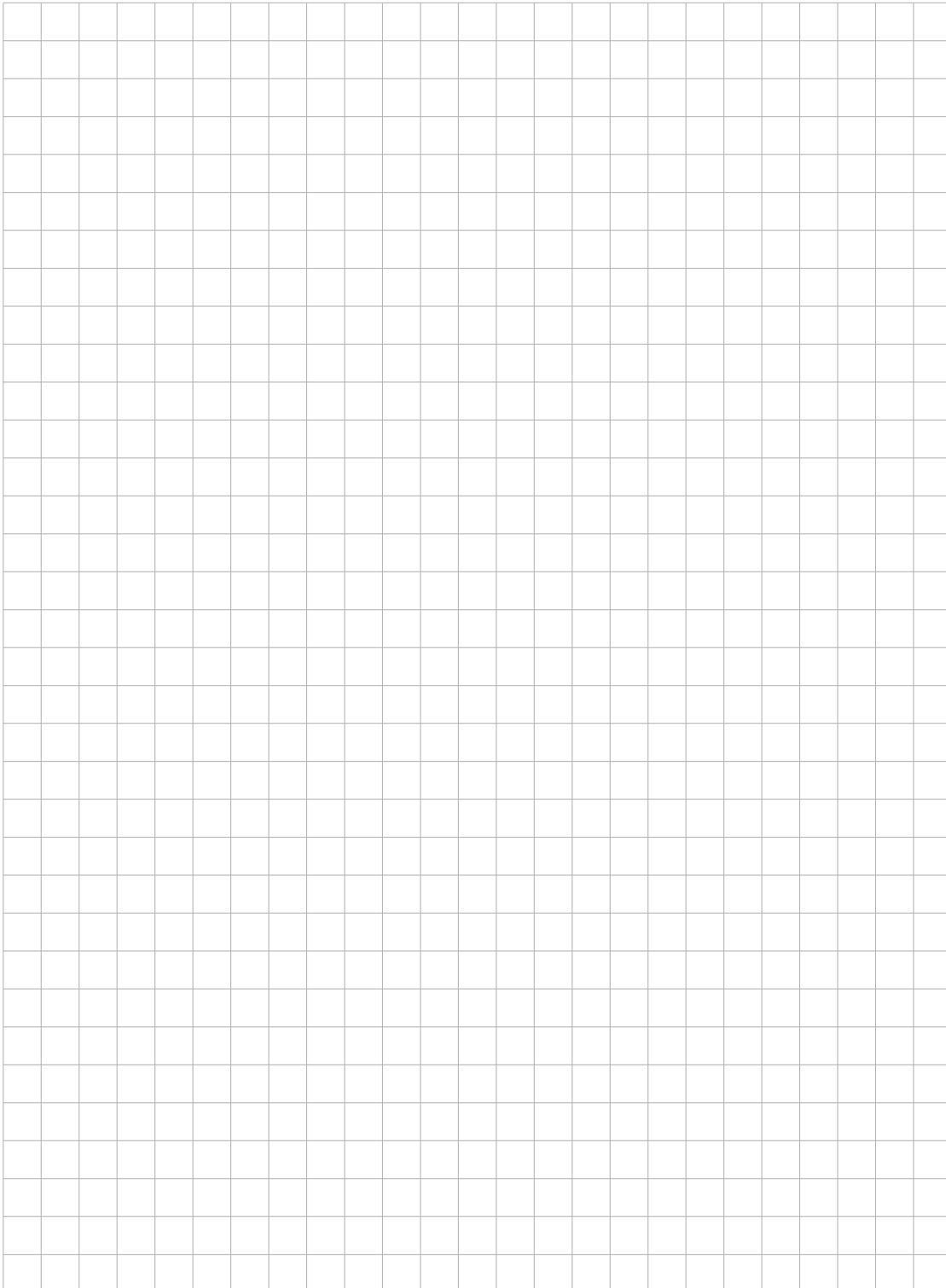
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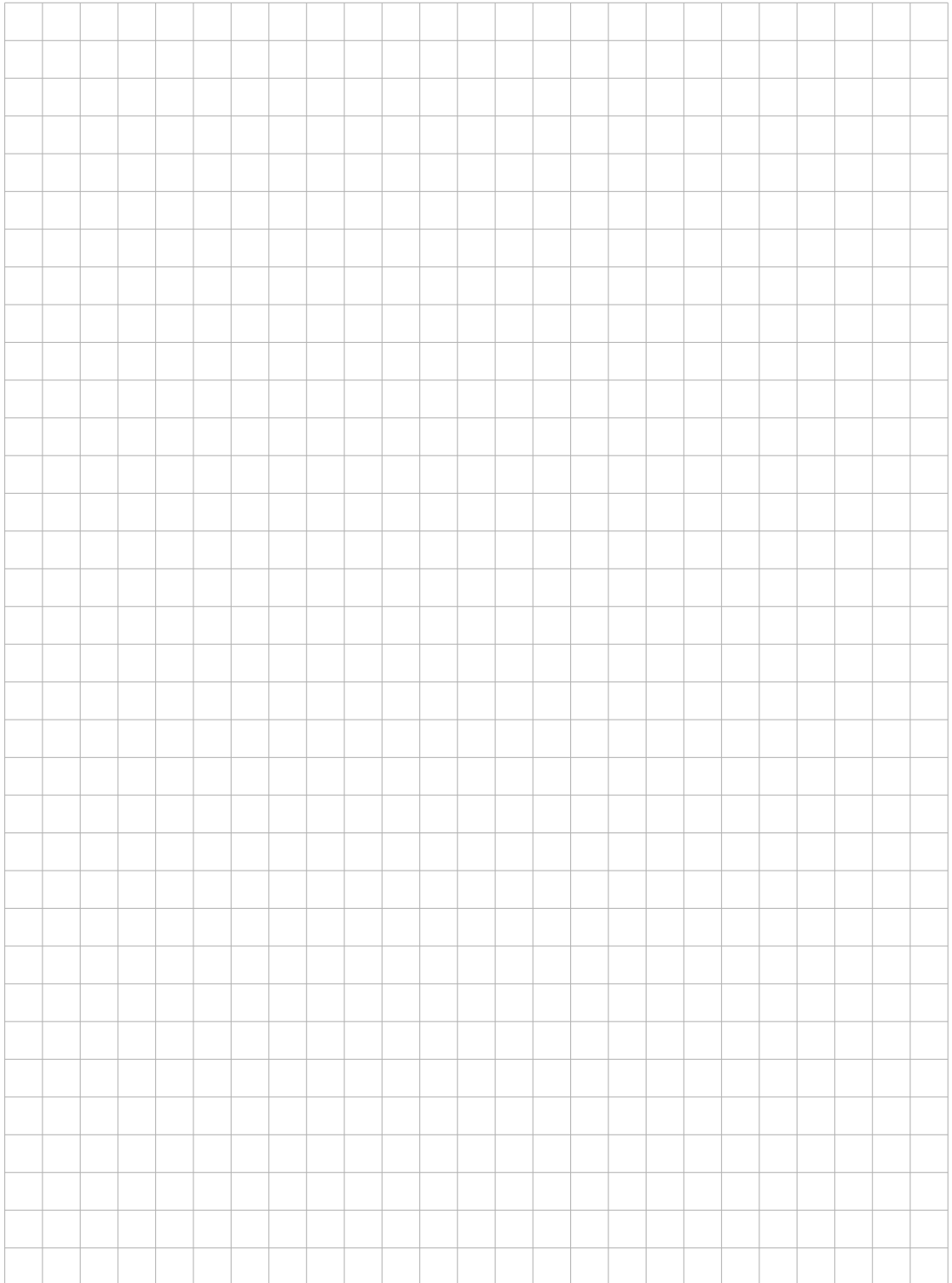
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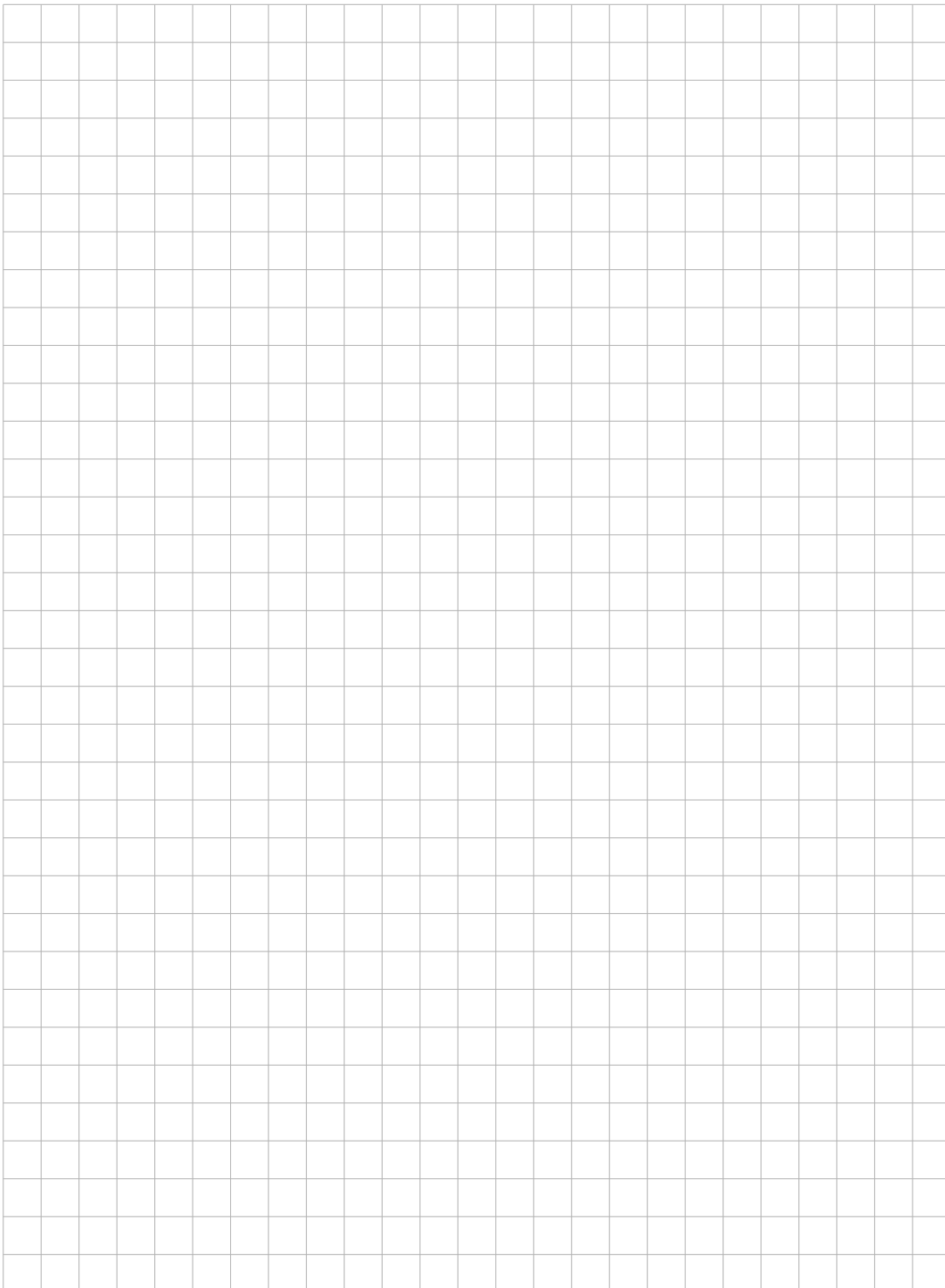
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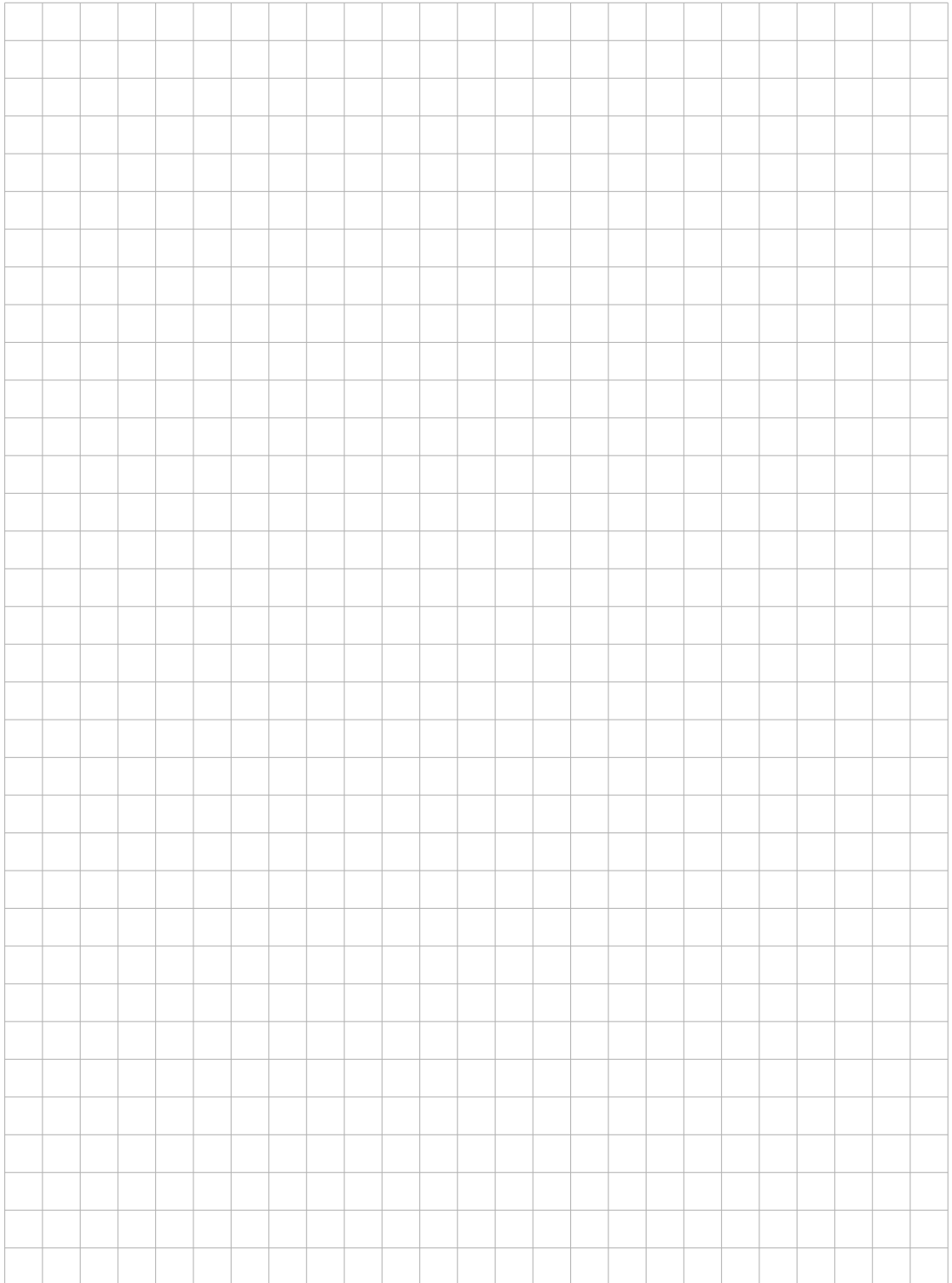
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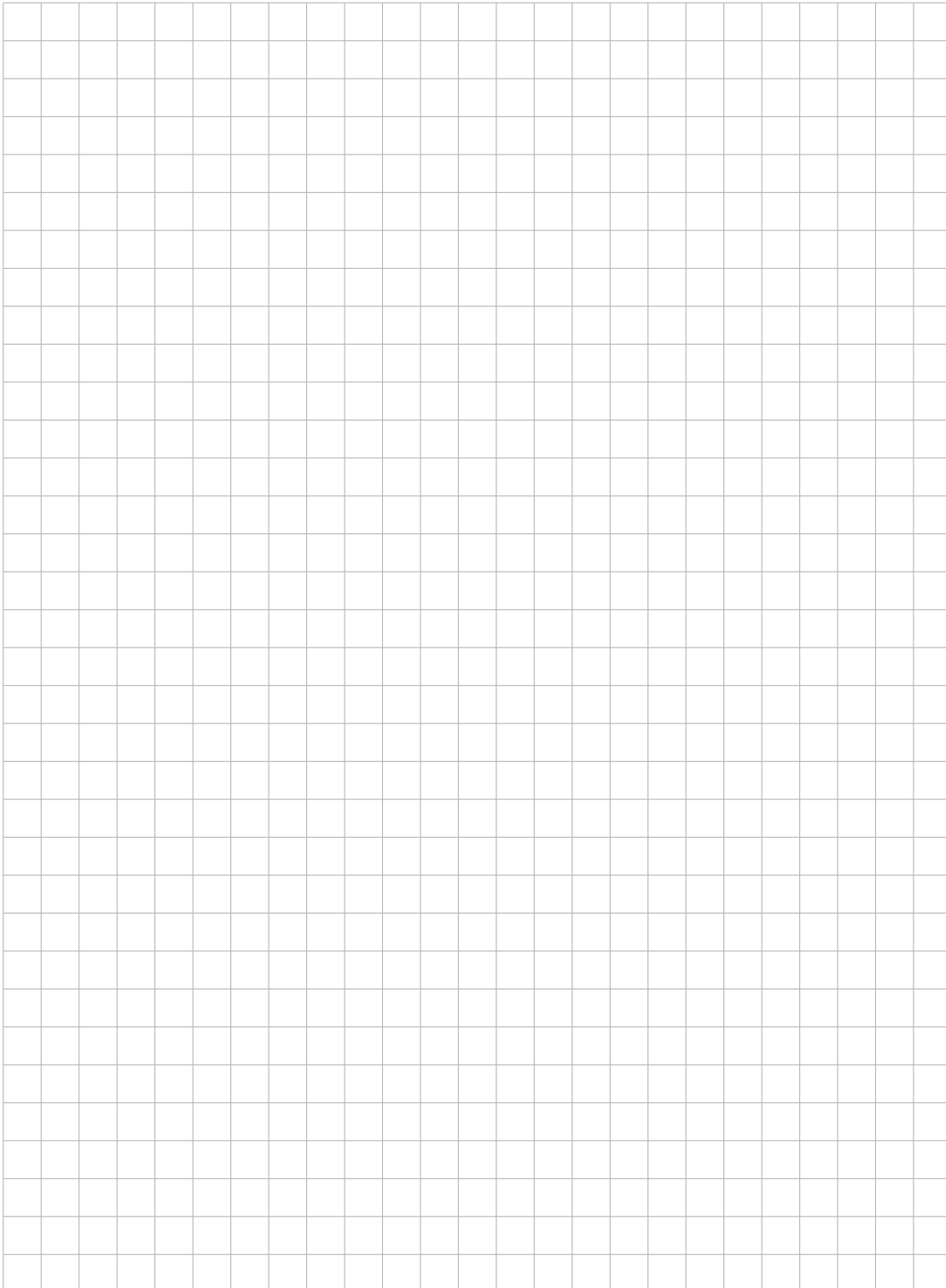
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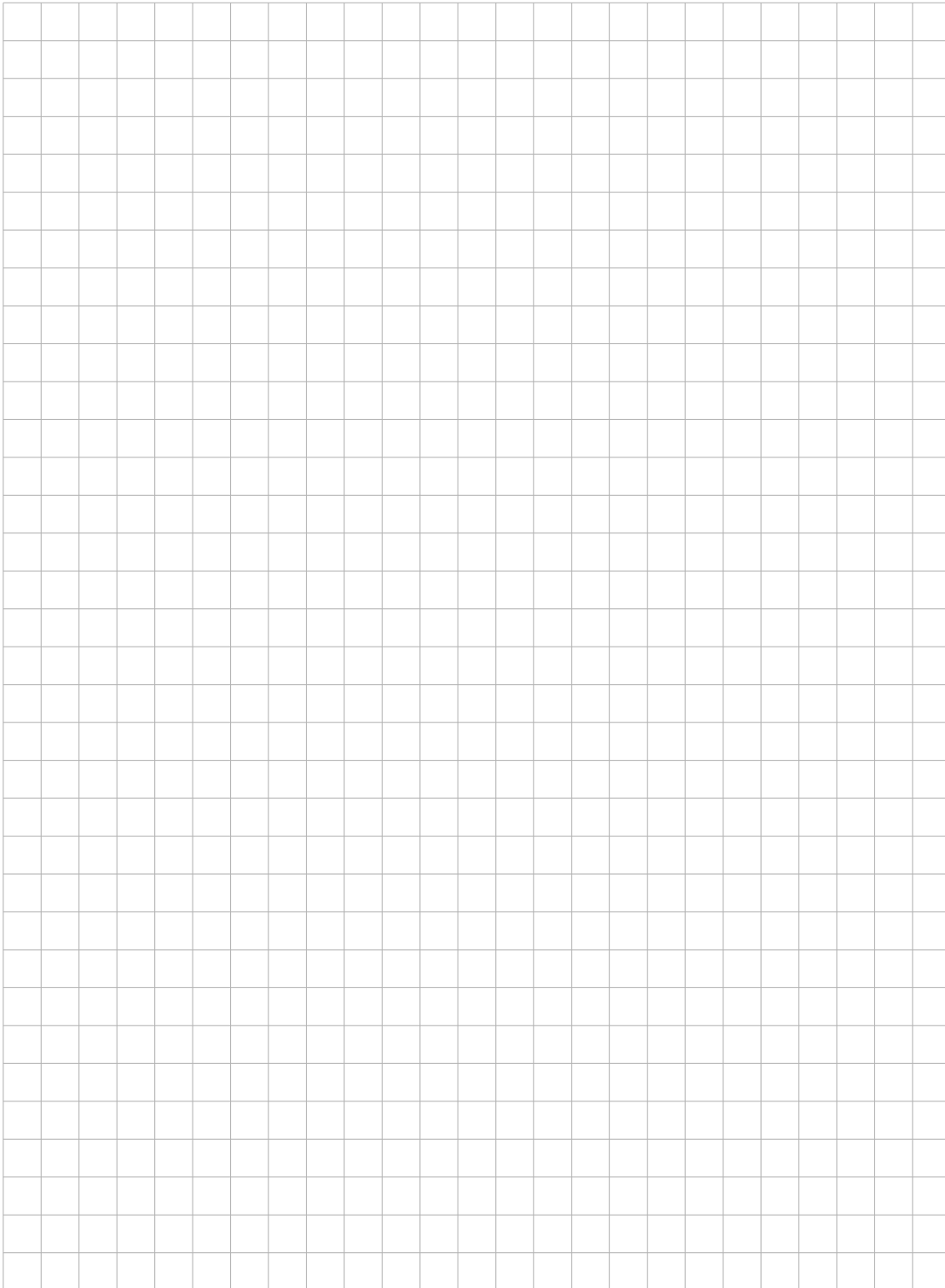


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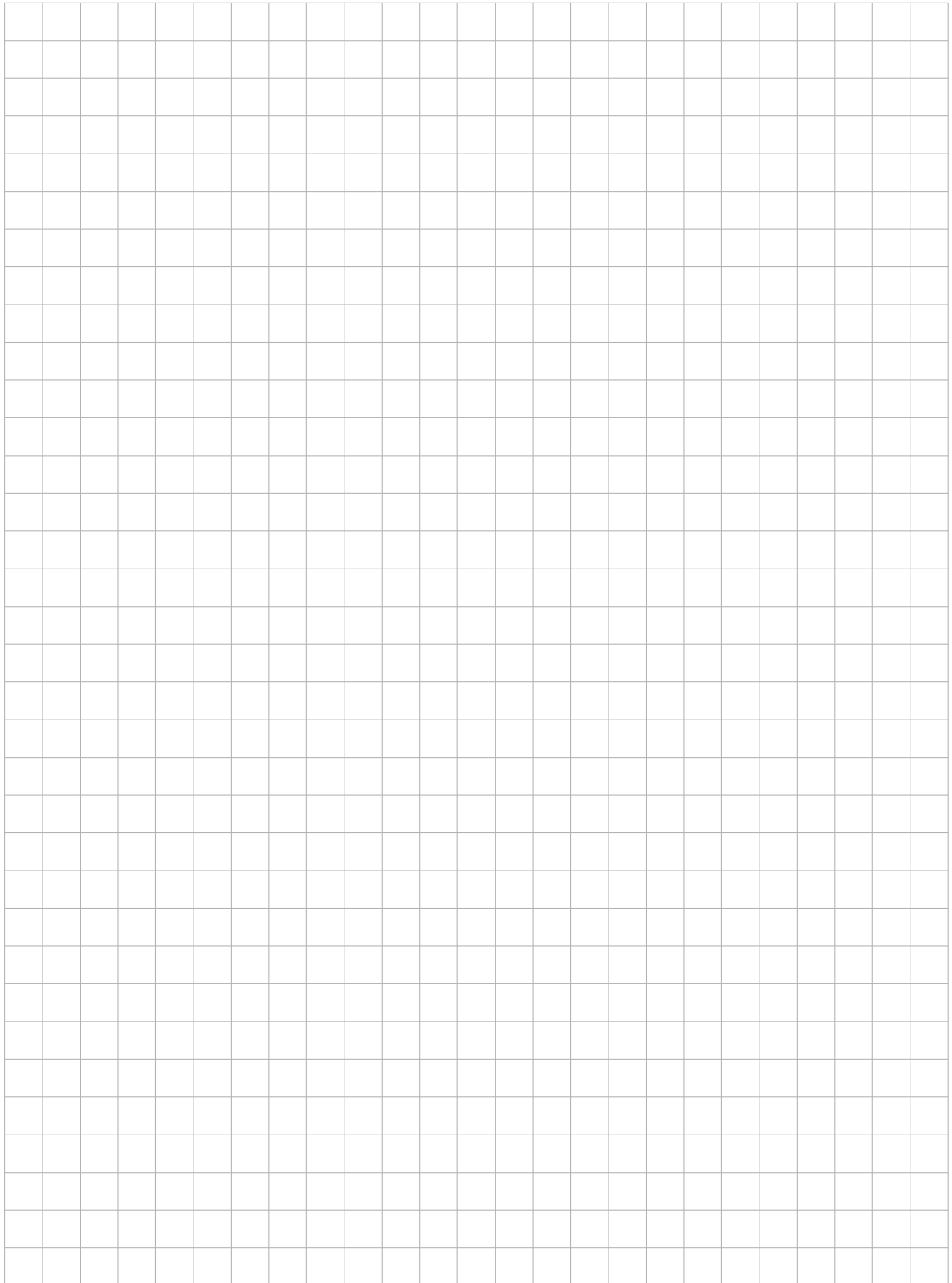




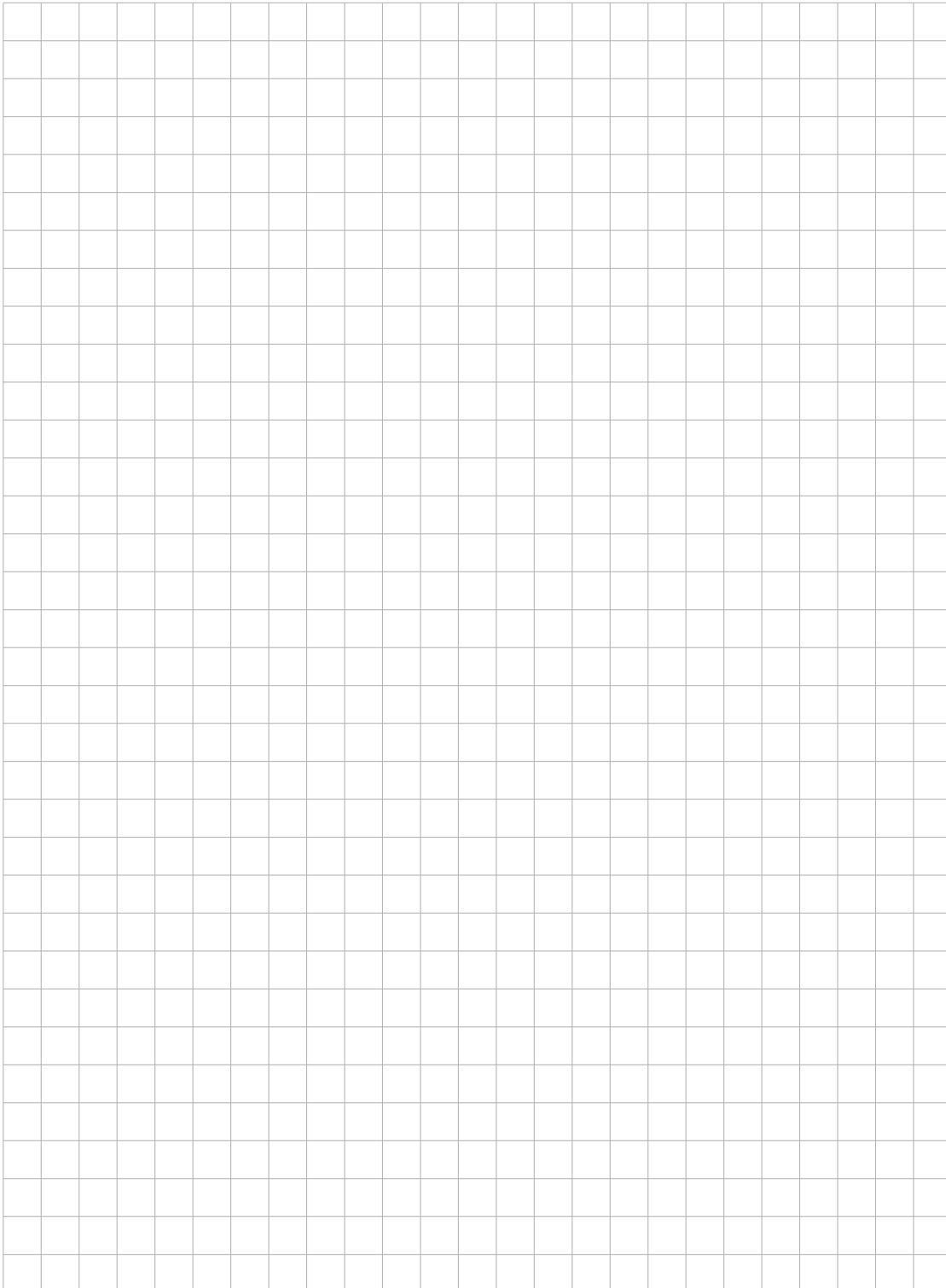
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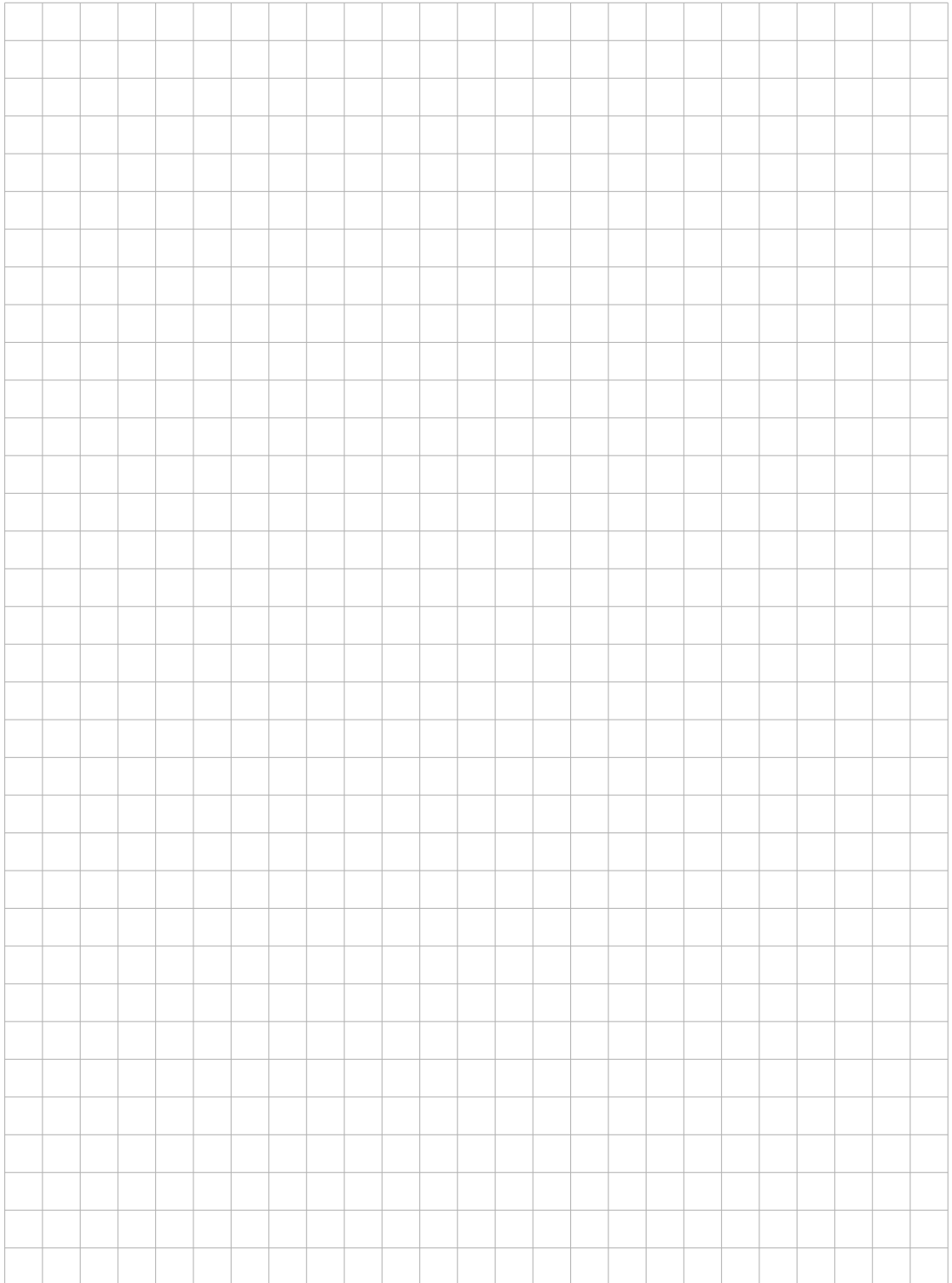
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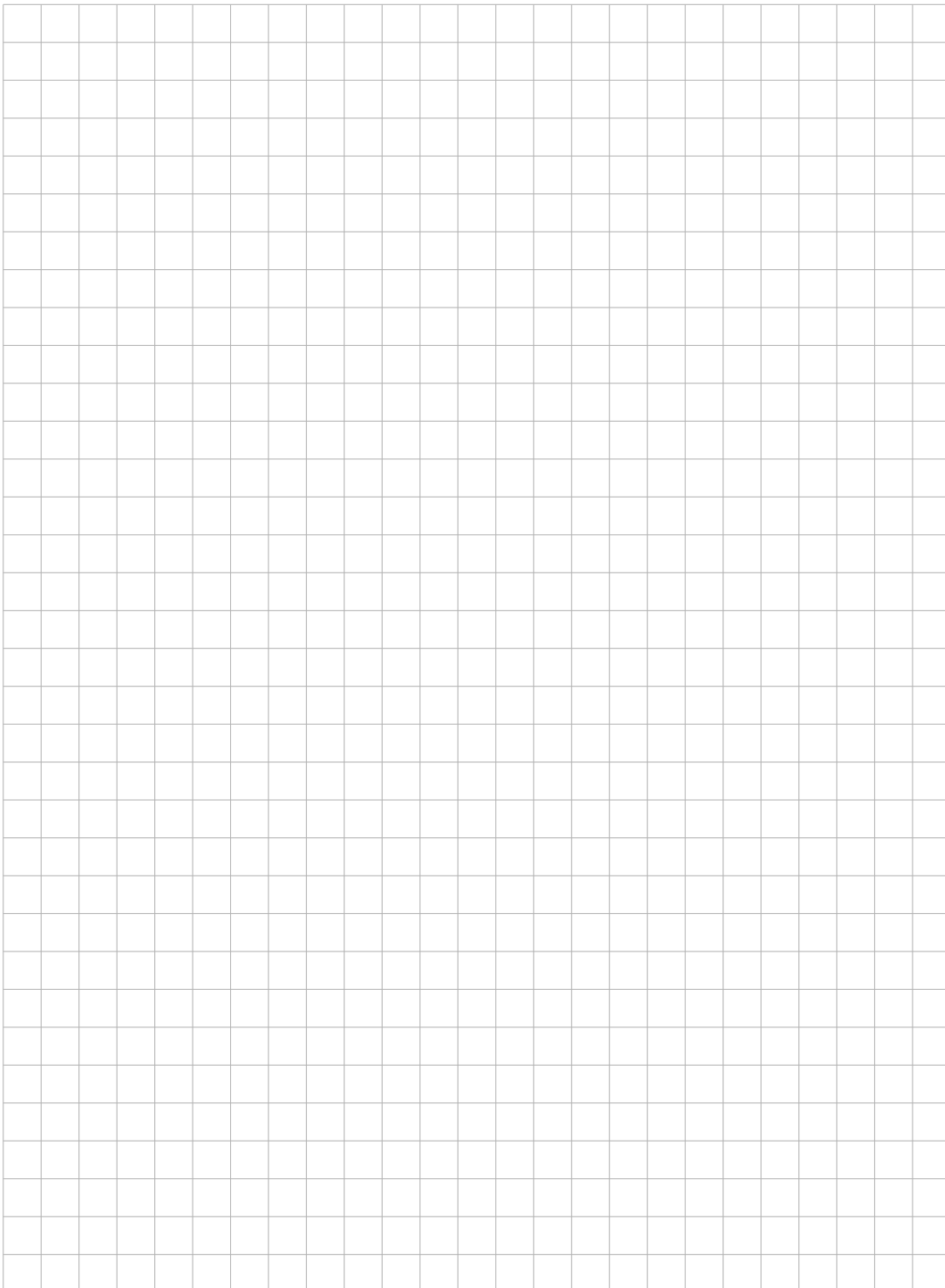
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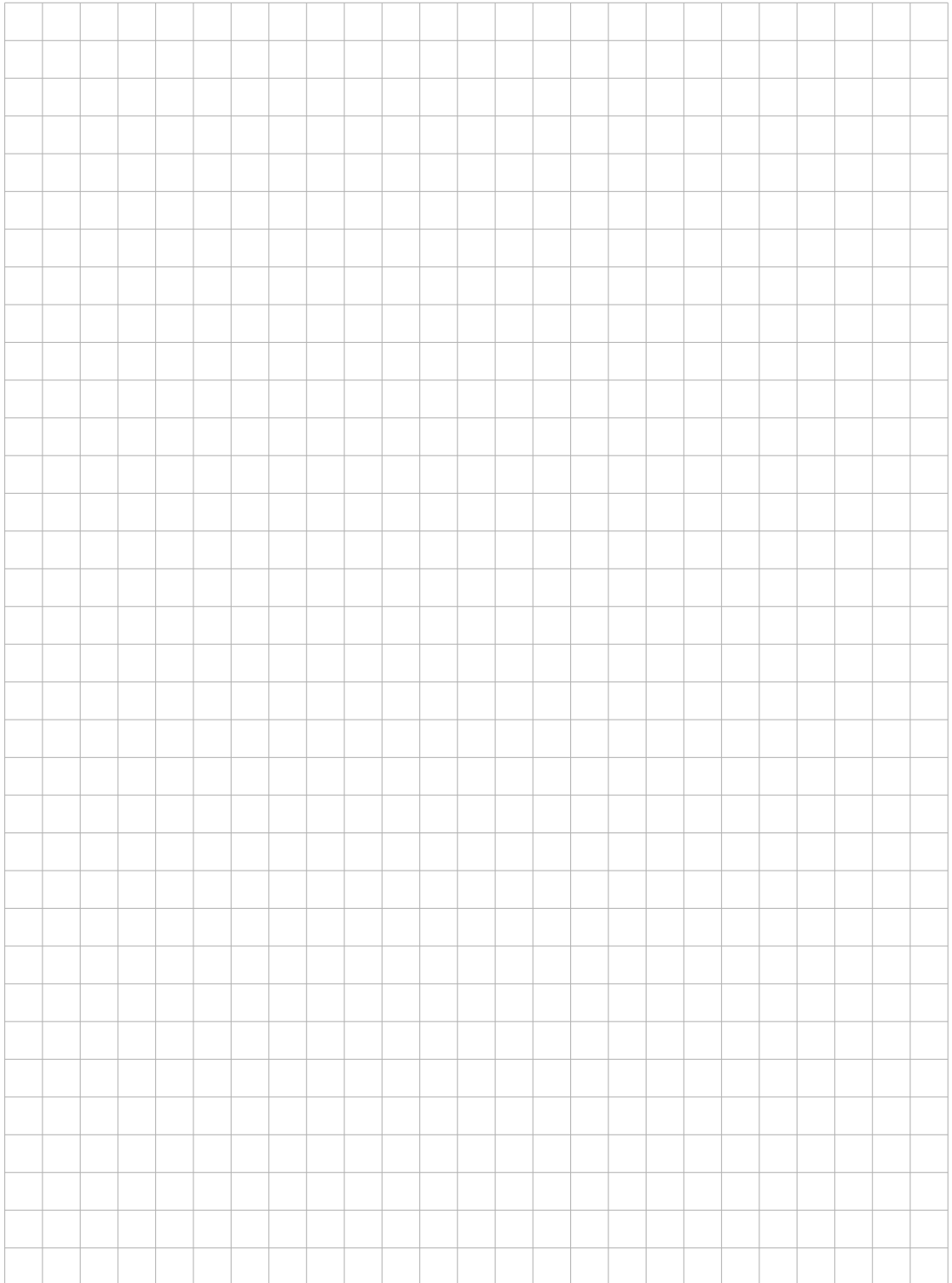
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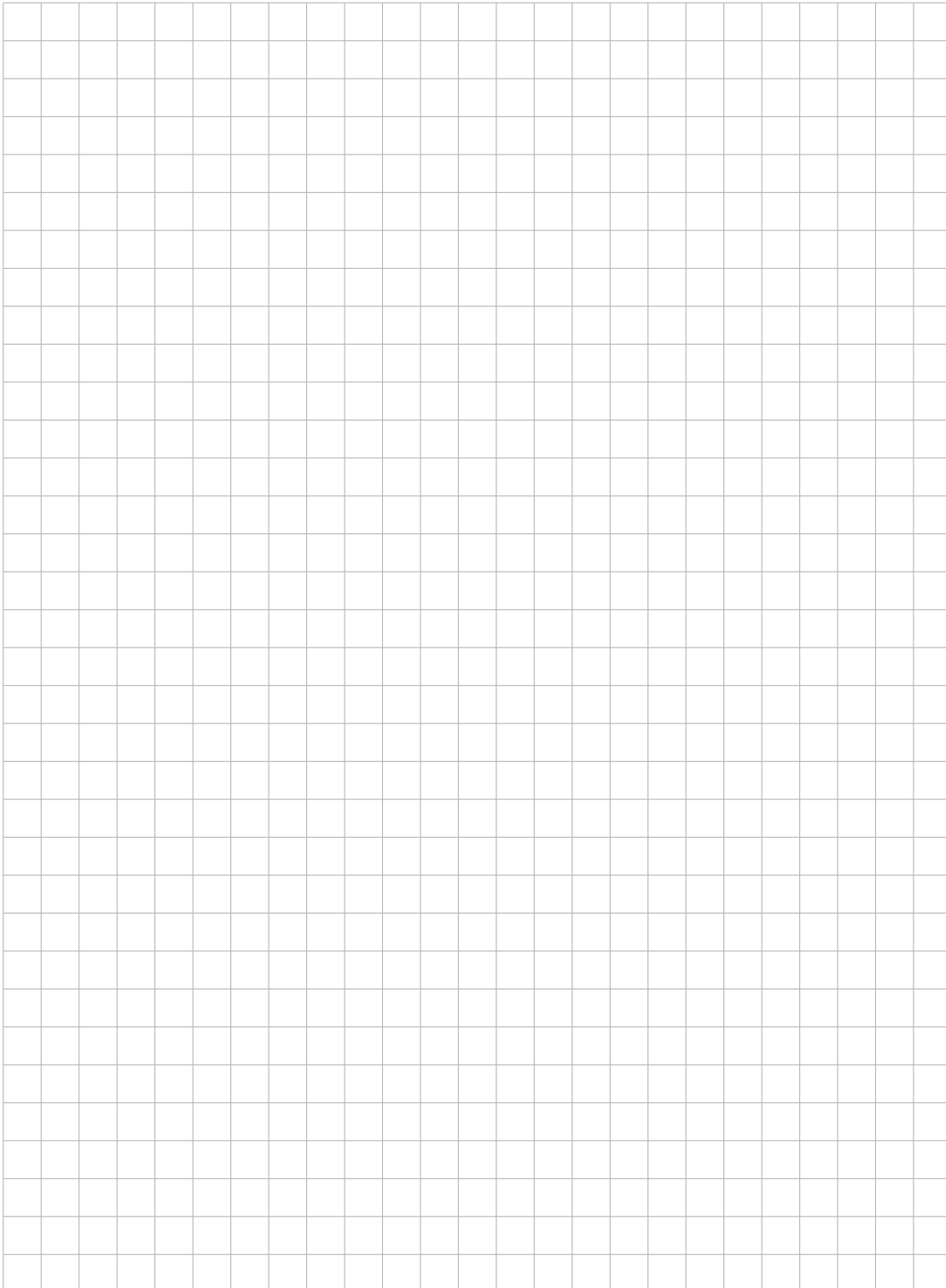
# Notes



**Notes**



# Notes



**Welcome on page 200.**

**You just scrolled through over a hundred notes pages.**

**Hey, come on, I had to test this.**