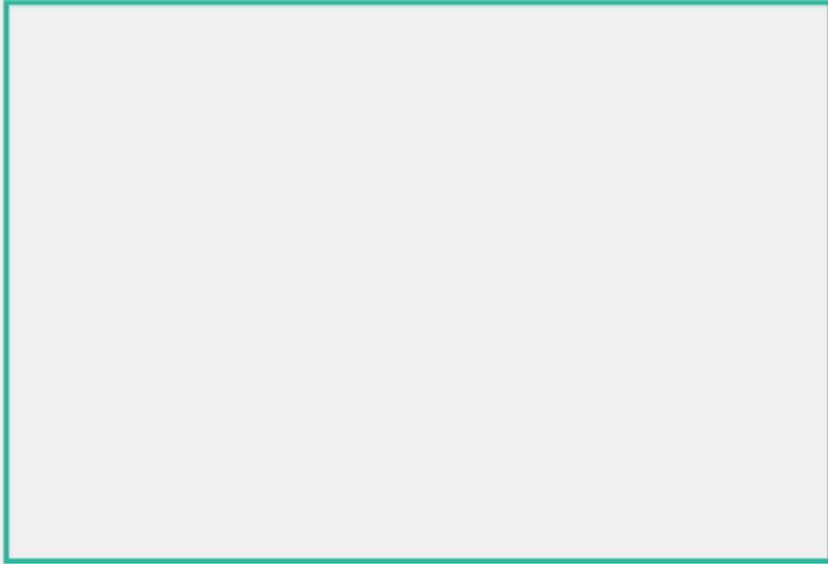
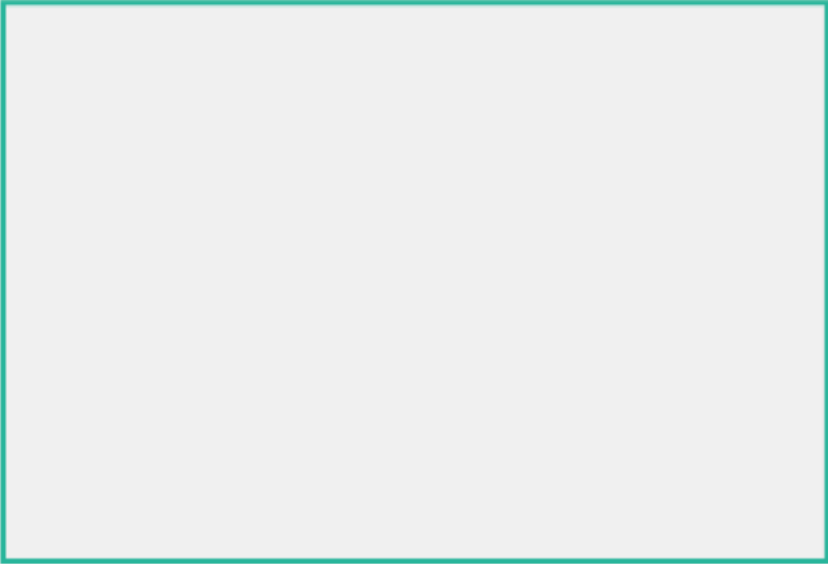
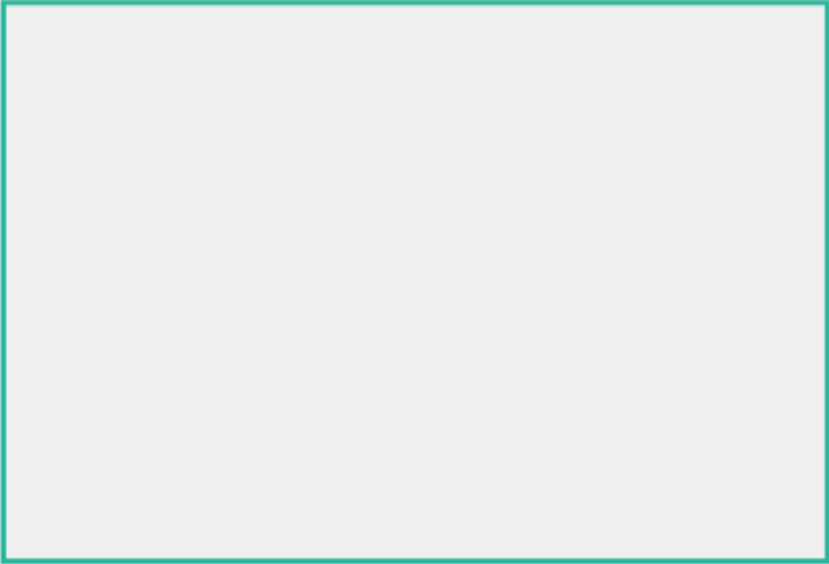
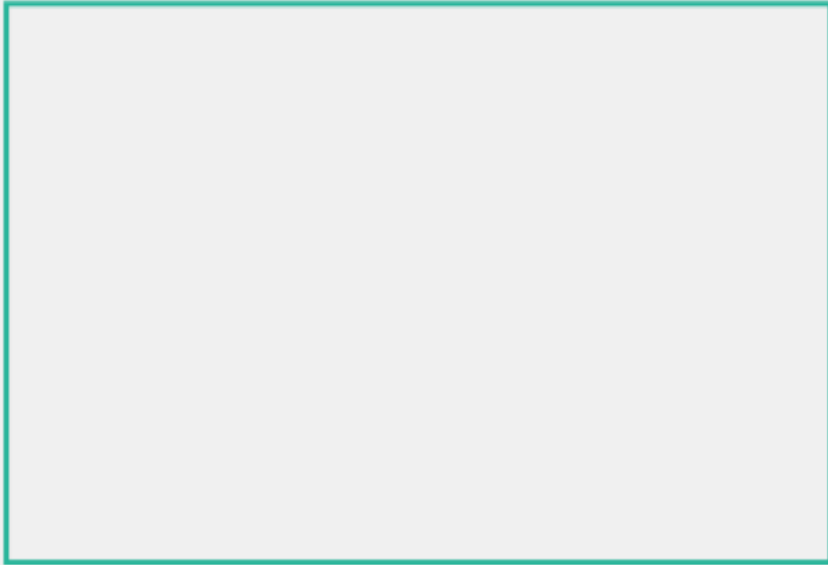
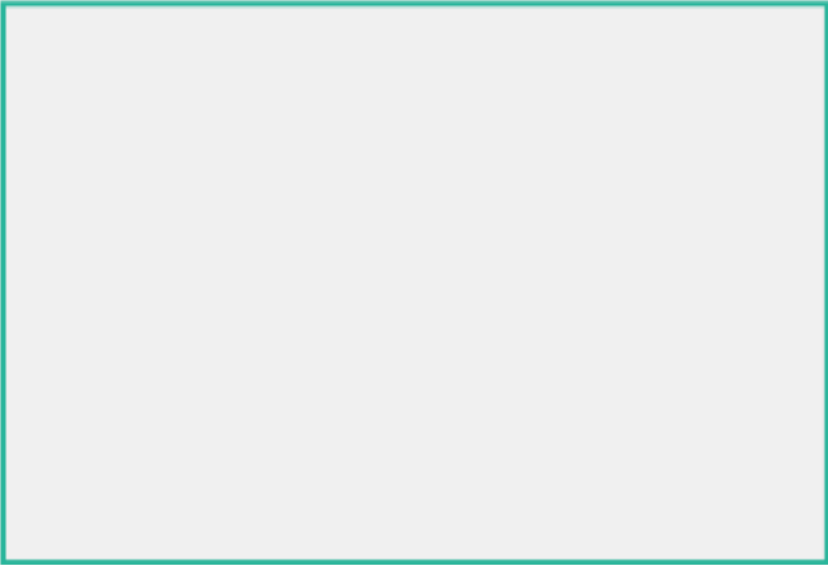
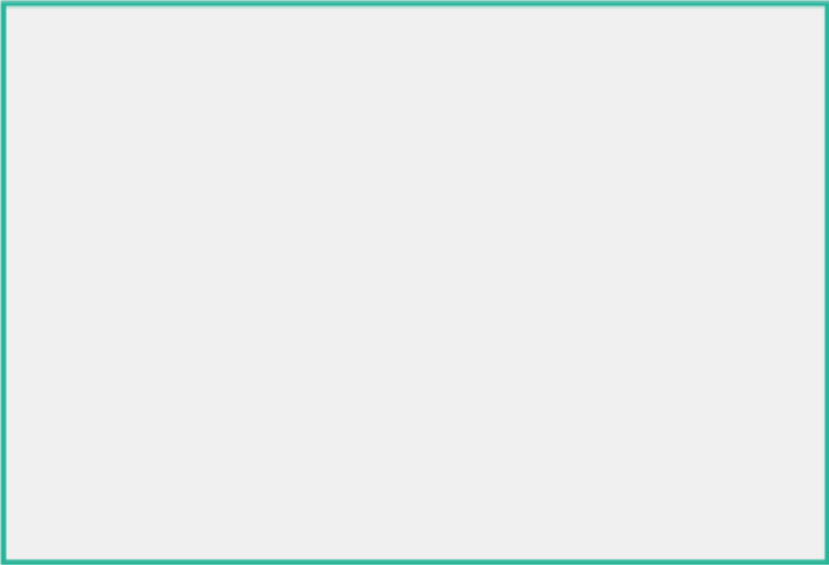
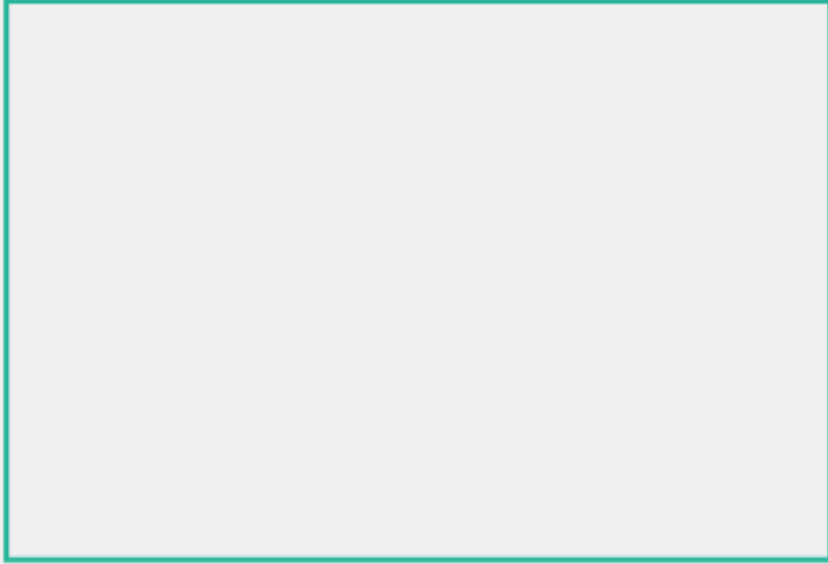
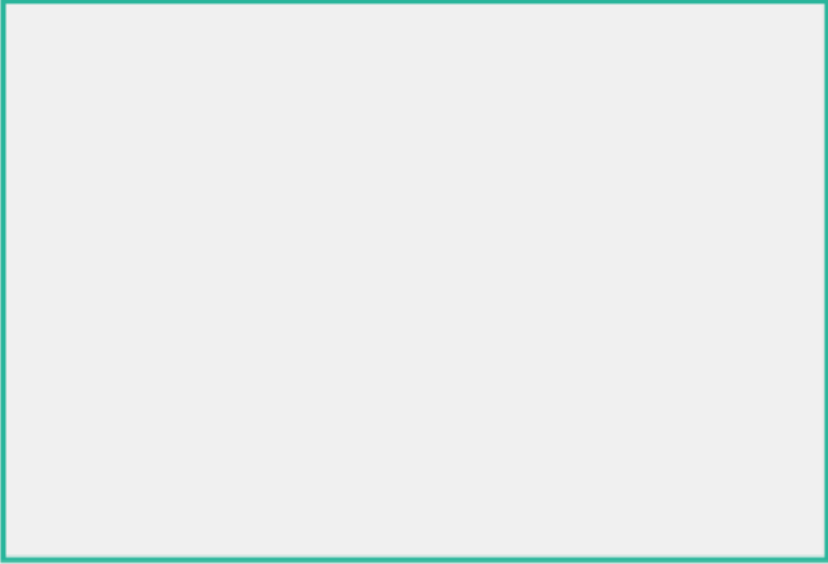
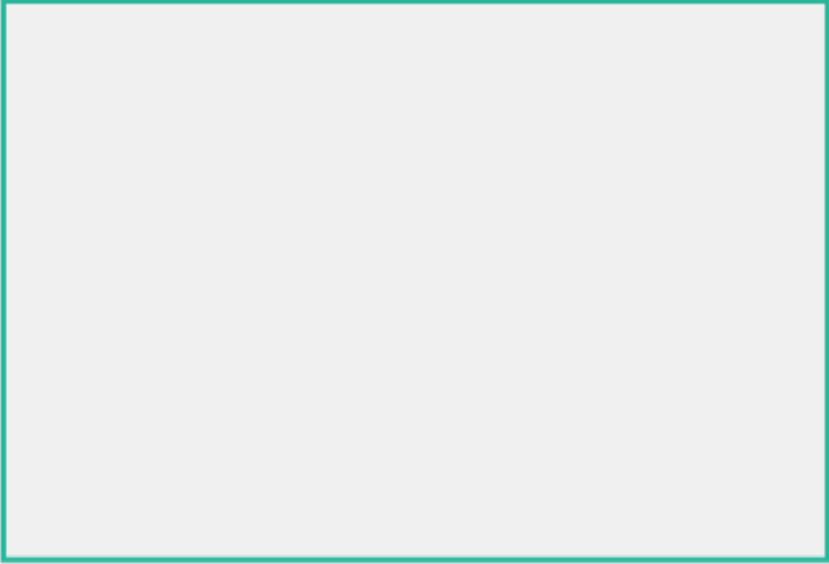


“Anyone willing to take the necessary trouble will find that, with the aid of the grid system, he is better fitted to find a solution to his design problems which is functional, logical and also more aesthetically pleasing”

— Joseph Müller-Brockmann

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21

13

3

2

1

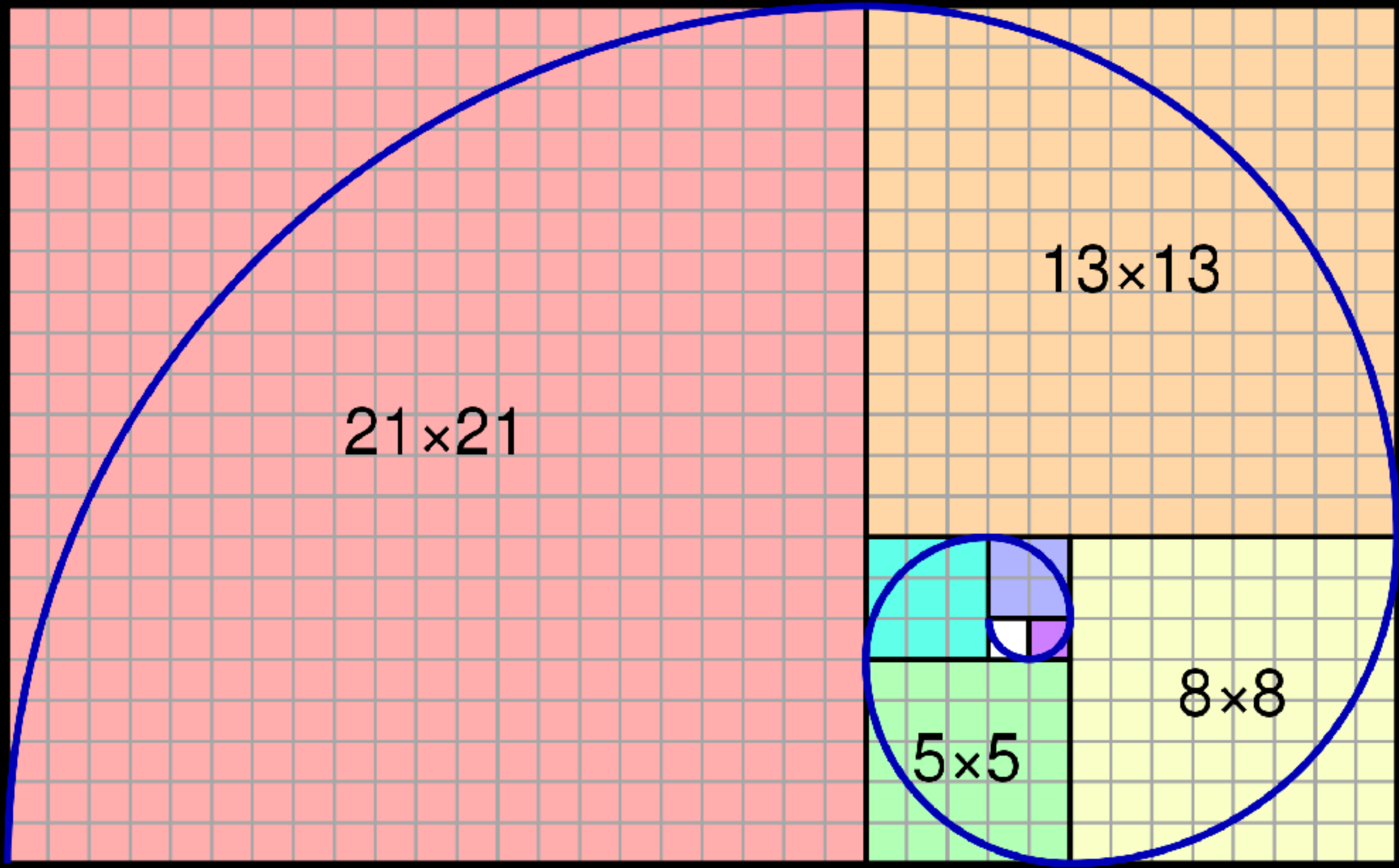
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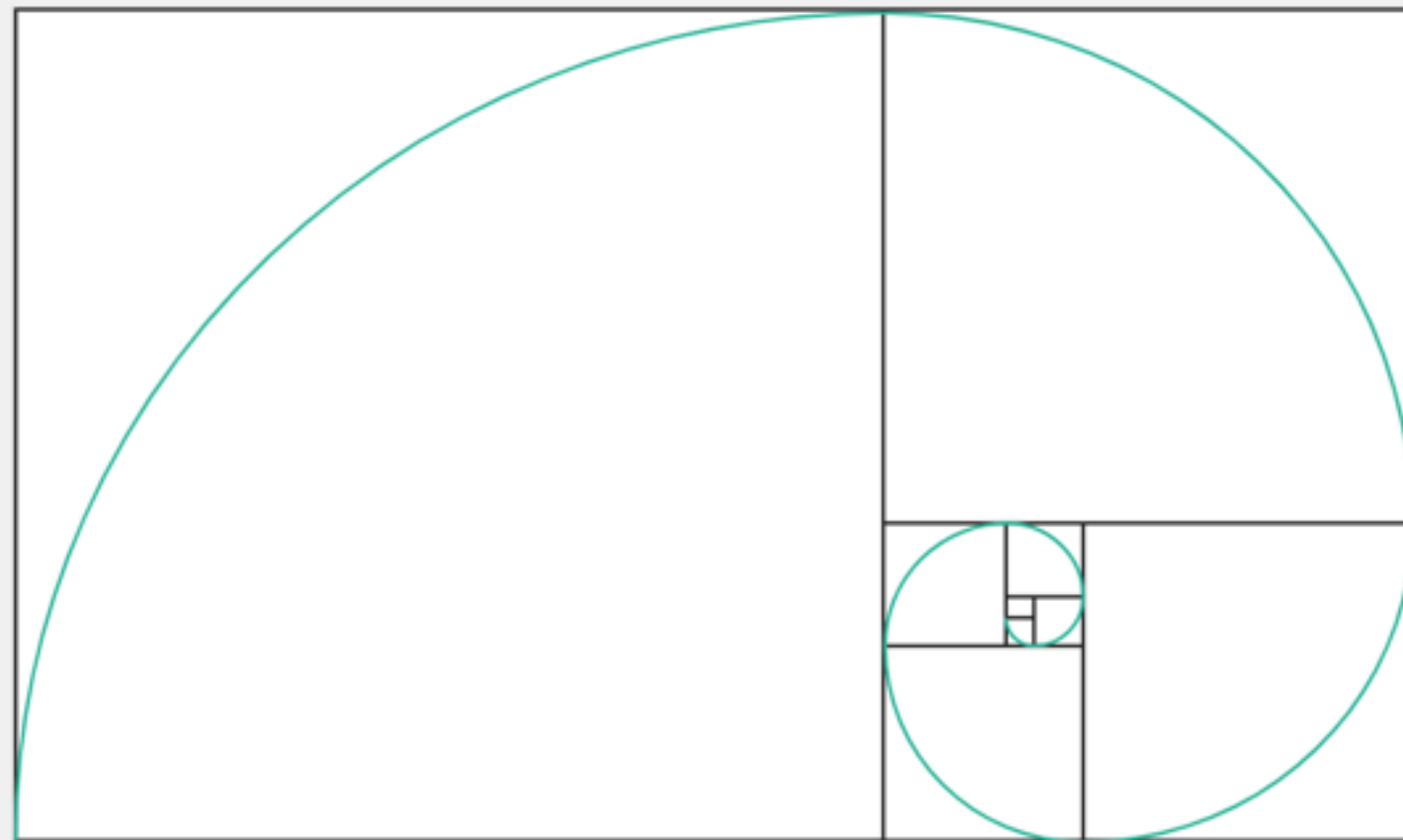
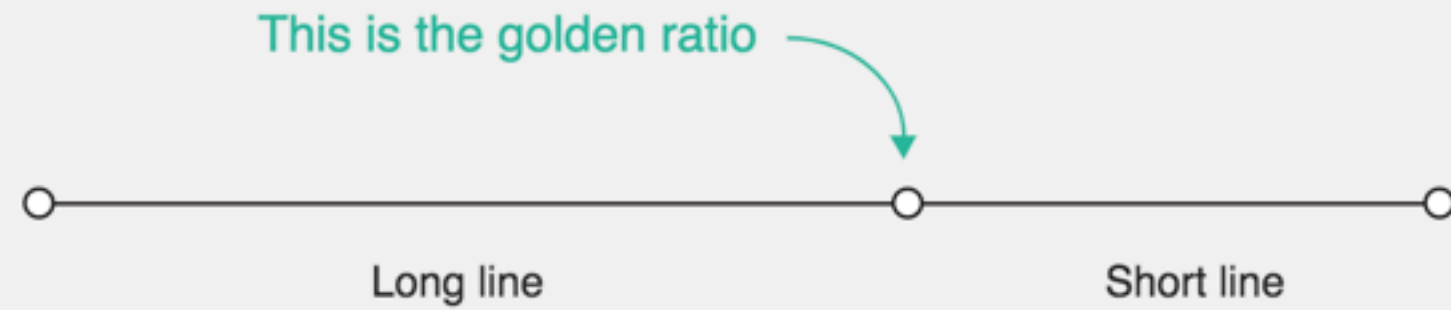
8

Fibonacci Sequence

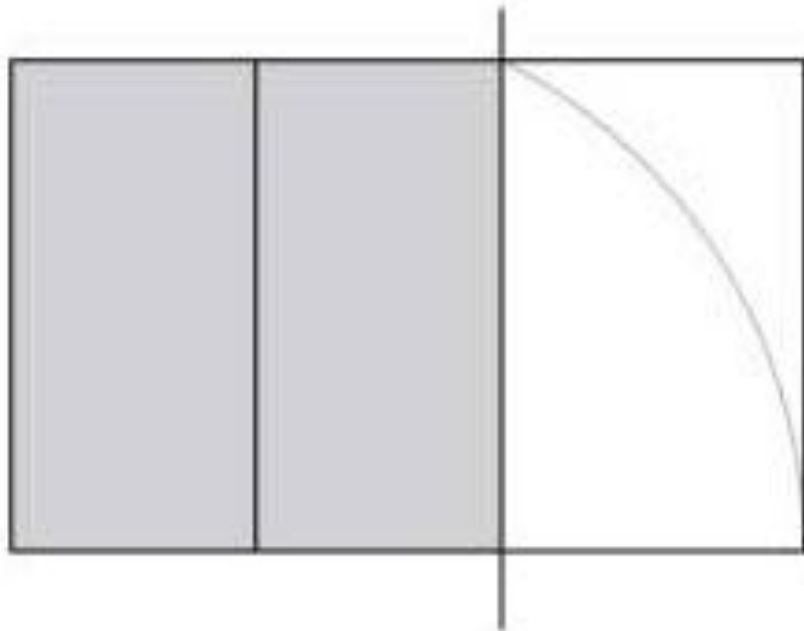
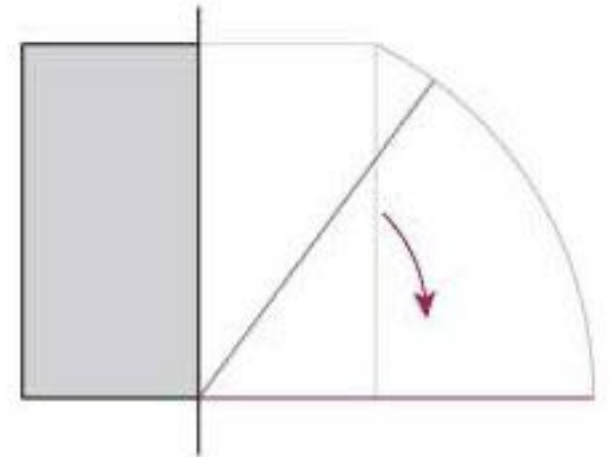
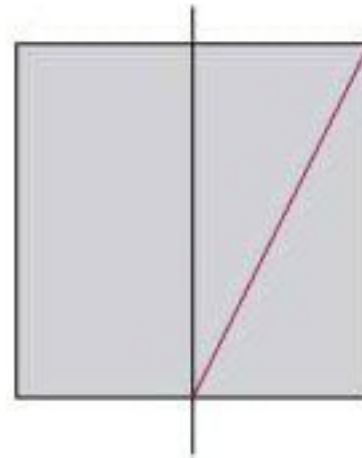
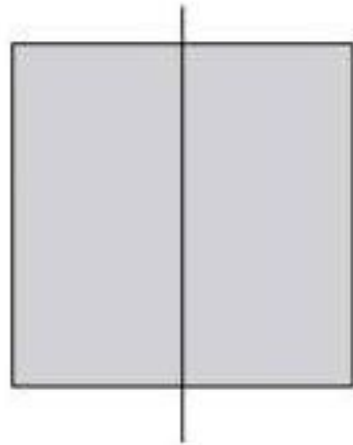
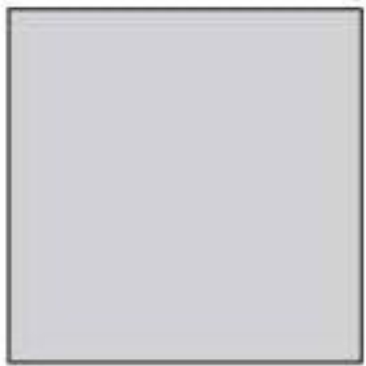
1:1.61 ratio, the Golden Ratio



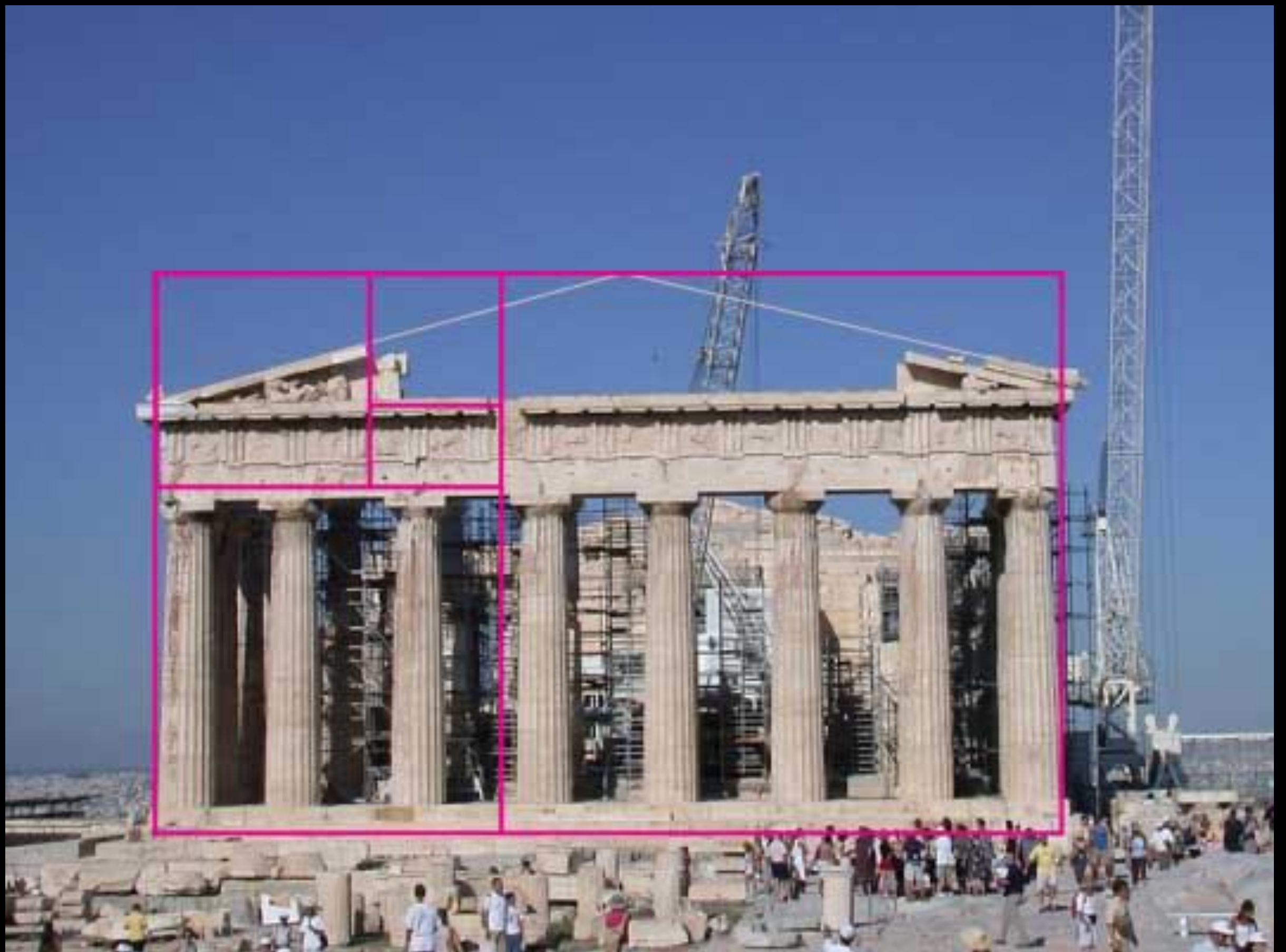
Plotting the relationships in scale provides us with a spiral that can be seen in nature

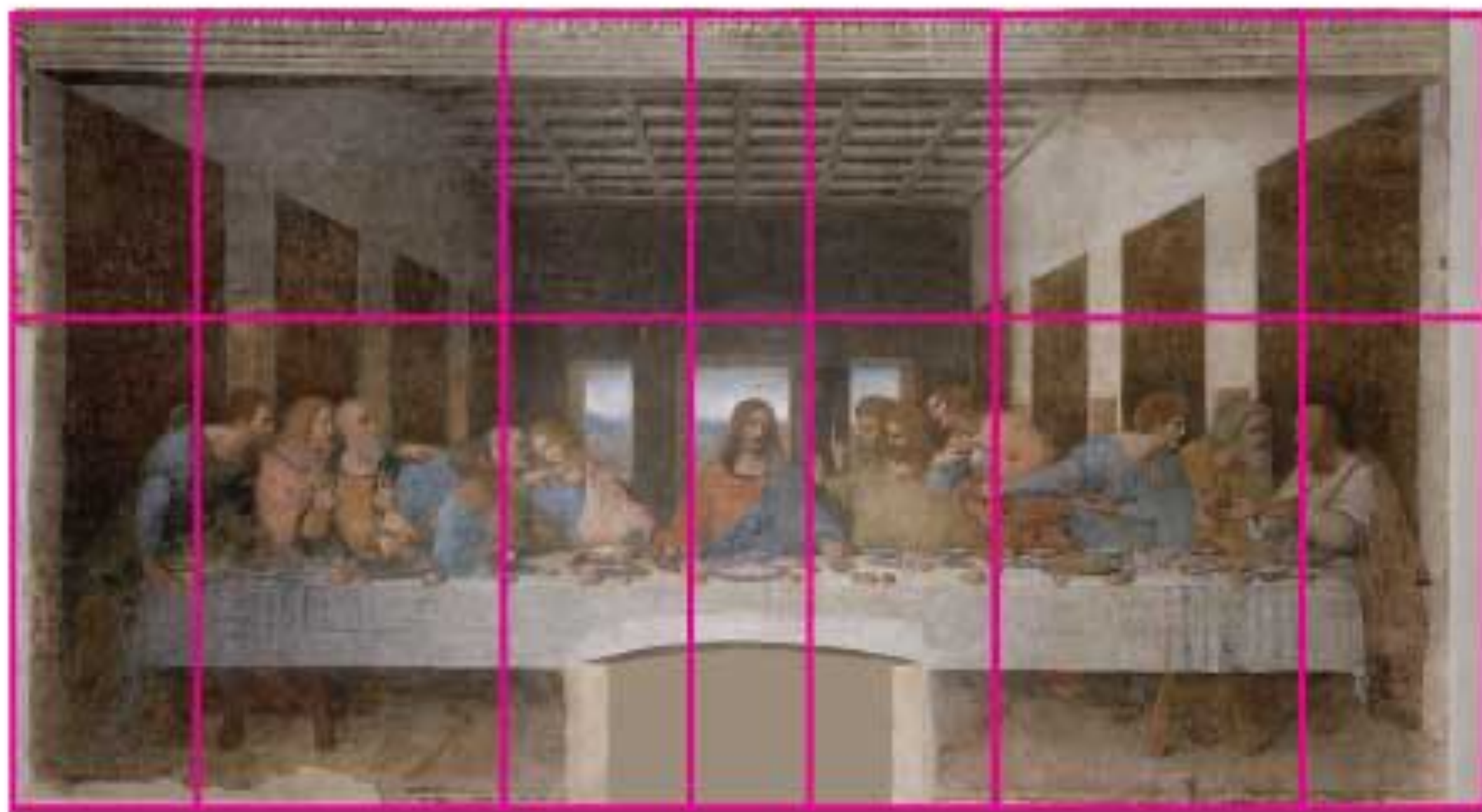


The golden ratio visualized as both a simple line segment and as a golden spiral.

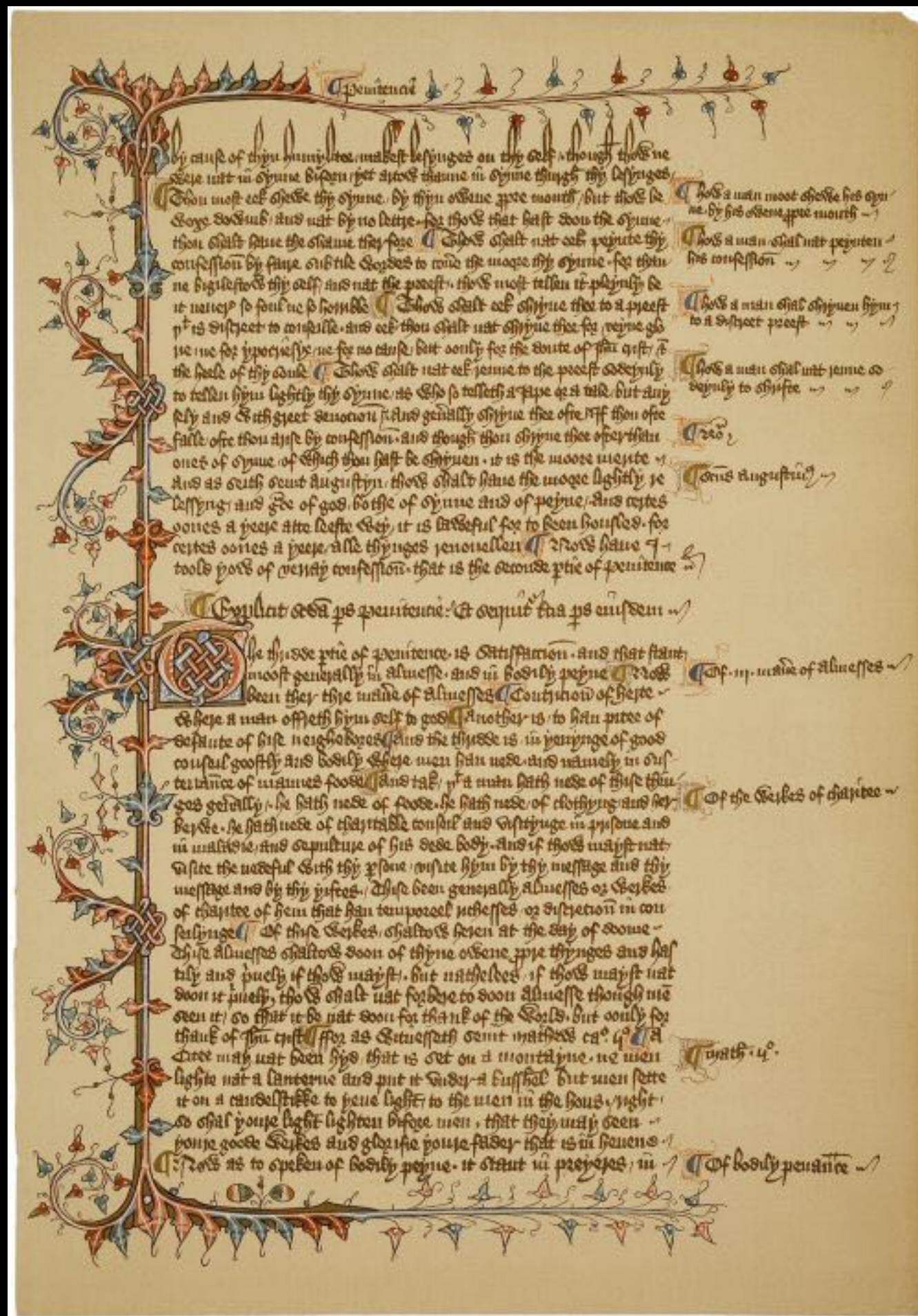


- 1) draw a square
- 2) divid square
- 3) draw a diagonal line
- 4) rotate
- 5) create new rectangle





Grid systems started as helper lines for written books.



doore of the Tabernacle of the Congregation, lest you die: for the anointing oyle of the LORD is vpon you: and they did according to the word of Moses.

8 And the LORD spake vnto Aaron, saying,

9 Doe not drinke wine nor strong drinke, thou, nor thy sonnes with thee, when ye goe into the Tabernacle of the Congregation, lest yee die: it shall bee a statute for euer, throughout your generations:

10 And that ye may put difference betwene holy and unholy, and betwene vncleane and cleane:

11 And that ye may teach the children of Israel all the statutes which the LORD hath spoken vnto them by the hand of Moses.

12 And Moses spake vnto Aaron, and vnto Eleazar and vnto Ithamar his sonnes that were left, Take the meate offering that remaineth of the offerings of the LORD made by fire, and eate it without leauen, beside the altar: for it is most holy.

14 And ye shal eat it in the holy place, because it is thy due, and thy sonnes due of the sacrifices of the LORD, made by fire: for so I am commanded.

*Exod. 29.
24.

14 And the waue breast and heaue shoulder shall yee eate in a cleane place, thou, and thy sonnes, and thy daughters with thee: for they be thy due and thy sonnes due, which are given out of the sacrifice of peace offerings, of the children of Israel.

15 The heaue shoulder, and the waue breast shall they bring, with the offerings made by fire of the fatted, to waue: for a waue offering before the LORD: and it shall bee thine, and thy sonnes with thee, by a statute for euer, as the LORD hath commanded.

16 And Moses diligently sought the goate of the sinne offering, and behold, it was burnt: and he was angry with Eleazar and Ithamar, the sonnes of Aaron, which were left alive, saying,

17 Wherefore haue ye not eaten the sinne offering in the holy place, seeing it is most holy, and God hath given it you to beare the iniquitie of the Congregation, to make atonement for them, before the LORD?

18 Behold, the blood of it was not brought in, within the holy place: yee

should indeede haue eaten it in the holy place, as I commanded.

*Chap. 6.
26.

19 And Aaron said vnto Moses, behold, this day haue they offered their sinne offering and their burnt offering before the LORD: and such things haue befallen mee: and if I had eaten the sinne offering to day, should it haue bin accepted in the sight of the LORD?

20 And when Moses heard that, hee was content.

CHAP. XI.

1 What beasts may, 4 and what may not bee eaten. 9 What fishes. 13 What fowles. 29 The creeping things which are vncleane.

And the LORD spake vnto Moses, and to Aaron, saying vnto them.

2 Speake vnto the children of Israel, saying, These are the beasts which ye shal eate among all the beasts that are on the earth:

*Deut. 14. 4.
20. 10. 14.

3 Whatsoever parteth the hoofe, and is clouen footed, & cheweth cud among the beasts, that shall ye eate.

4 Neuerthelesse, these shall yee not eate: of them that chew the cud, or of them that diuide the hoofe: as the camel, because hee cheweth the cud, but diuideth not the hoofe, he is vncleane vnto you.

5 And the conie, because he cheweth the cud, but diuideth not the hoofe, he is vncleane vnto you.

6 And the hare, because he cheweth the cud, but diuideth not the hoofe, he is vncleane vnto you.

7 And the swine, though he diuide the hoofe, and be clouen footed, yet hee cheweth not the cud: hee is vncleane to you.

*2. Marc. 6.
29.

8 Of their flesh shal ye not eate, and their carcasse shal ye not touch: they are vncleane to you.

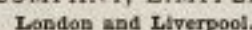
9 These shal ye eate, of all that are in the waters: whatsoever hath finnes and scales in the waters, in the seas, and in the rivers, them shall ye eate.

10 And all that haue not finnes nor scales in the seas, and in the rivers, of all that moue in the waters, and of any liuing thing which is in the waters, they shall be an abomination vnto you:

11 They shalbe euen an abomination vnto you: ye shall not eate of their flesh, but you shall haue their carcases in a-bomination.

12 What

It transferred to movable type, where the type setting itself consists of a grid. The grid lines continued to help printers in typesetting. This could often be as simple as a baseline that determined the scale of the headings and body.

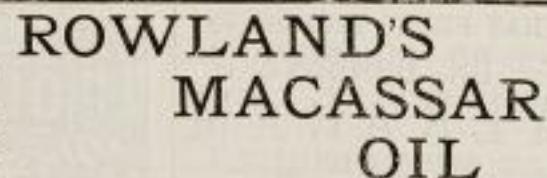


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7, WESTBURY GARDEN, W. 29, HIGH HOLBORN, W.C.



strengthens the hair of children and adults; contains no lead nor mineral ingredients; sold in golden colour also; usual sizes, 8s. 6d., 7s., 10s. 6d. and 21s. Can be sent by post by J. HOWLAND & SONS, 20, Hatten Garden, London, on receipt of 6d. above these prices. Avoid spurious imitations. Sold everywhere.

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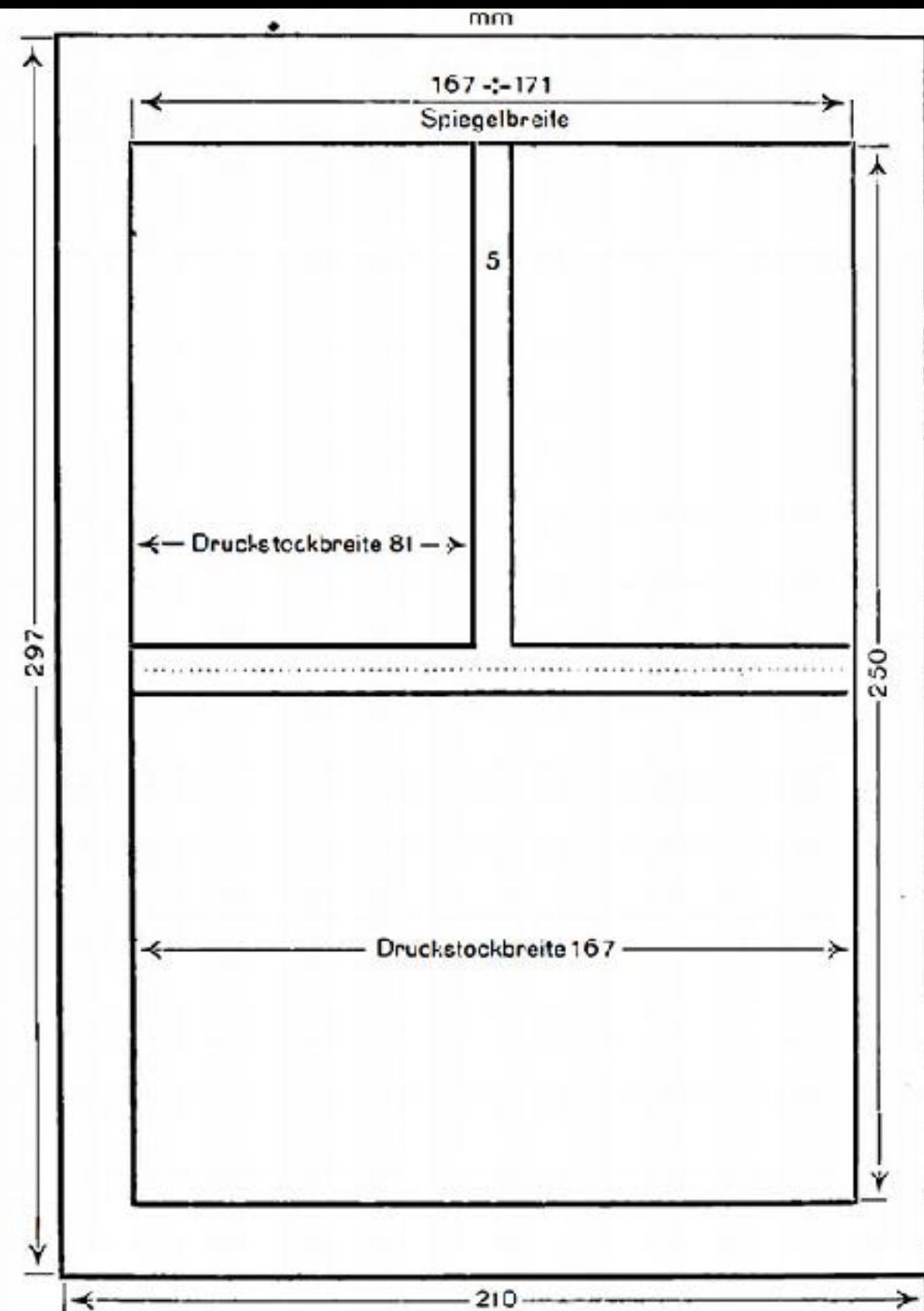
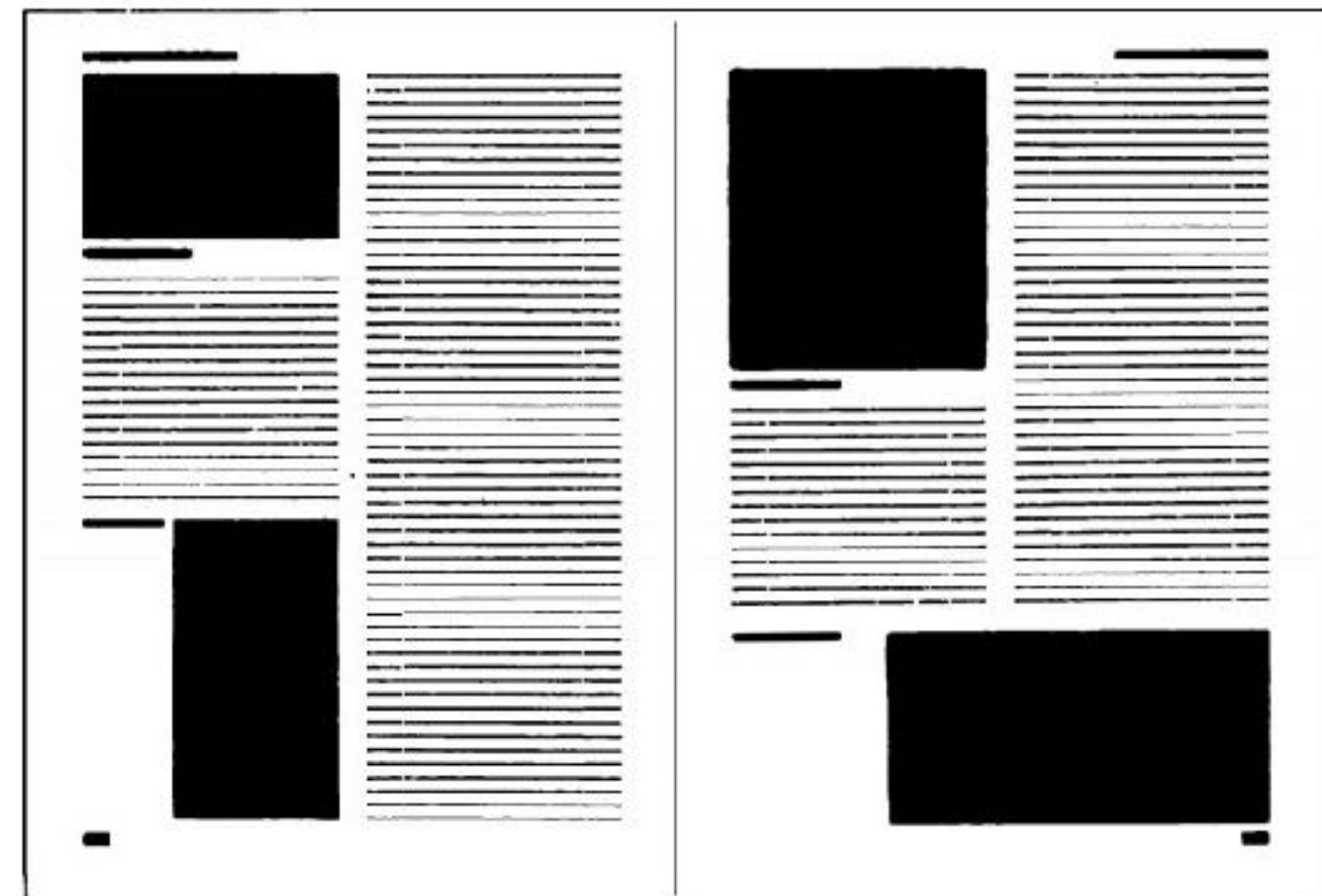
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Form for Analysis, Ac. paid first of
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LONDON.



Simple forms, strict fonts, and clear visual hierarchy work harmoniously together to honor the content. Image: Joost Schmidt, 'Plakat Zur Bauhaus - Ausstellung in Weimar 1923', 1923



Examples of page divisions from Jan Tschichold's *Die Neue Typographie*

Mehrzahl der Fälle überlegen. Überlegen deshalb, weil solche Arbeiten optisch den Betrachter anziehen, ja übersehen, wird. In der rein bildlichen Darstellung eine umfangreiche Textbeigabe überflüssig macht, weil sie das zu propagierende unter dem Akzent in der Typographie schon durch die Bildwirkung anschaulich erläutert. Diese Schwarz-Weiß-Arbeiten aber erweisen sich als zu dem Anteil der reinen Typographie, daß das Photo der Zeichnung immer dann im Werbegut unterlegen ist, wenn das erstere konventionelles rein Typographisches gering, ja sei letztere in ihrer Anlage weitgehend den Bereichen der modernen Kunst zuneigt. Die moderne Graphik, als eine Gruppe der reinen Typographie zum Schmuck der Wände bestimmt, wird von der Mehrzahl der Betrachter in dieser Zweckbestimmung typographischen Mitteln erstellt sind, gleich dagegen in dieser oder jener Form als formaler Effekt in der Werbung sehr häufig von denselben Leuten Setzers verdanken, streng genommen. Es gibt dafür eine einfache Erklärung: Die moderne Graphik löst bei der Mehrzahl der Betrachter Elemente, soweit sie als typographische eine gewisse optische Schockwirkung aus und hat deshalb den Vorzug, das Auge festzuhalten und gund mehrfarbiger Druck sollen dabei

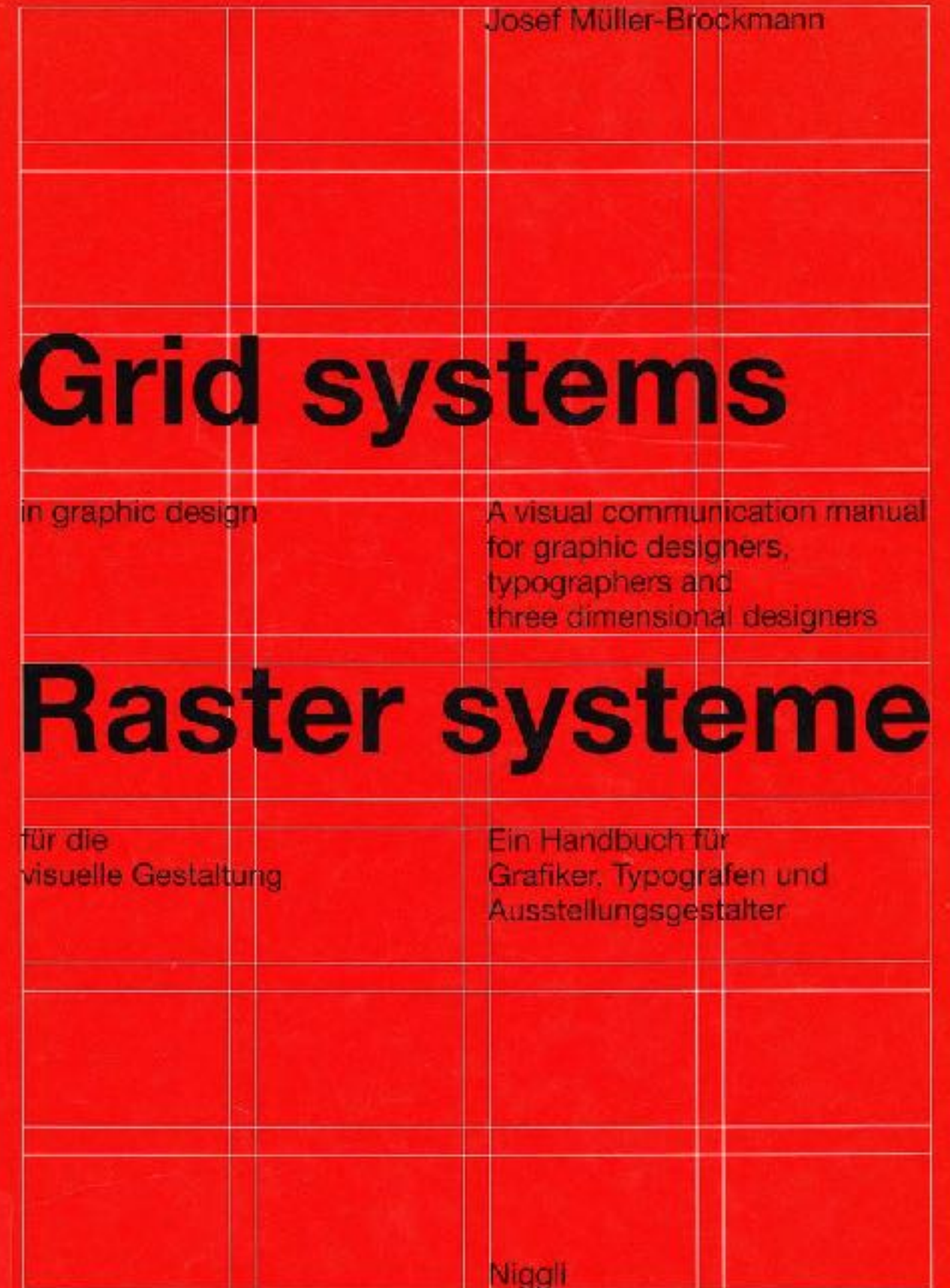
Wer sich der Fülle von Druckerzeugnissen aller Art bei einer Sichtung gegenübersieht, wird notwendig strenge Trennung versuchen und das Material in Gruppen unterteilen. Wir unterscheiden dabei nach Art und Lage vor allem zwei Gruppen der Gestaltung und kommen dabei einmal zu dem Anteil der reinen Typographie und zum zweiten zu der Gruppe von Druckerzeugnissen, bei denen das rein Typographische gering, ja im Umfang nach von ausgesprochen sekundärer Bedeutung ist. Die erstere Gruppe der reinen Typographie schließt für uns Arbeiten, die in ihrer Gesamtkonzeption aus typographischen Mitteln erstellt sind, gleich ob diese Erzeugnisse ihre Entstehung der Skizze eines Graphikers oder Setzers verdanken, streng genommen also Arbeiten, die unter Verwendung von Schmuck, Form- und Flächenelementen, soweit sie als typographisches Material vorhanden sind, „gebaut“ werden können. Negativsätze und mehrfarbiger Druck sollen d

einbezogen sein. Demgegenüber steht die zweite Gruppe, deren Hauptanteil scheinlich die Hand des Gebrauchsgraphikers und freien Künstlers aus der Gestaltungskraft aus dem überlegenen Einsatz freier graphischer Mittel, und zwar bar gering ist, ja, wo der Satz nur die Funktion der unbedingt notwendigen der Drucktechniken soll im Rahmen dieser Zeilen nicht berührt werden. Der Anteil der reinen Typographie im Laufe der letzten Jahre erheblicher kundige Einbruch der freien Graphik in eine Domäne, die früher ausschließlich nicht wegzuleugnende Tatsache ist. Die stürmische Aufwärtsentwicklung sich gebracht, daß die Auseinandersetzung um Absatzmärkte und

die die Einbeziehung immer neu schäft bleiben will“. Die aufgewandte lange richtig angelegt, wie sie es unter den hier aufgezeigten Beispielen ist, muß schon ungewöhnlich phantasievoll. Im Falle schon bei Verwendung einer Untersuchung in den USA, die zu den erfolgreichsten sind als schwarz-weiß-objekten noch vorherrschend ist

A diagram from Joseph Müller-Brockmann's *Grid Systems in Graphic Design* illustrating how to align type to a grid

The masters of the grid system - Swiss
Style designers like Brockmann and
Gerstner.



**Opernhaus
Zürich**

**Eröffnung
der Spielzeit
1968 / 69**

Palestrina

Musikalische Legende von Hans Pfitzner

Erstaufführung
Samstag, 7. September, 19.00 Uhr

Musikalische Leitung:
Inszenierung:
Bühnenbild/Kostüme:
Chöre:

Alberto Erede
Herbert Graf
Max Röhliberger
Hans Erismann

Der Wildschütz

Komische Oper von Albert Lortzing

Neuinszenierung
Samstag, 14. September, 20.00 Uhr

Musikalische Leitung:
Inszenierung:
Bühnenbild/Kostüme:
Chöre:

Matthias Aeschbacher
Martin Markun
Monika von Zallinger
Hans Erismann

Internationale Juni-Festwochen 1962 Stadttheater Zürich

Direktor
Dr. Herbert Graf

Freitag, 1. Juni
20.00 Uhr
Eröffnungsvorstellung

Fidelio
Oper von
L. van Beethoven

Leitung
Otto Kriempert
Hainer Hill

In den Hauptpartien
Jean Cook
Sena Jannac
Heinz Borsl
James McCracken
Deszö Ernster
Gustav Neidlinger
Leonhard Pölckl

Sonntag, 3. Juni
20.00 Uhr
Welteraufführung
Donnerstag, 7. Juni
20.00 Uhr

Blackwood und Co.
von Armin Schibler

Leitung
Nello Santi
Loth Mansouri
Max Bignens
Juan Tena

Mittwoch, 6. Juni
19.30 Uhr
Freitag, 15. Juni
19.30 Uhr

Der Prophet
Oper von
G. Meyerbeer

Leitung
S. Krachmalnick
Loth Mansouri
Hainer Hill
Michel de Lubry

In den Hauptpartien
Virginia Gordani
Sandra Warfield
James McCracken
Sandra Warfield
Heinz Borsl
Fritz Peter
Andrew Foldi
Siegfried Tappolet
Ralph Telasko

Freitag, 8. Juni
20.00 Uhr

Le Mystère de la
Nativité
von Frank Martin

Leitung
Ernest Ansermet
Georg Reinhardt
Heinrich Weidel

Mitwirkende:
Mary Davenport
Regina Sarfaty
Vera Schlosser
Werner Ernst
Reinhold Güther
Walter Henze
Wolfram Mertz
Victor de Nake
Leonhard Pölckl
Fritz Peter
Glade Peterson
Abe Polakoff
Siegfried Tappolet
Ralph Telasko
Robert Thomas
Gottl. Zechhammer

Samstag, 9. Juni
20.00 Uhr

2. Trovatore
Oper von
Giuseppe Verdi

Leitung
Nello Santi
Herbert Graf
Max Rothlisberger
Wend Hubert

In den Hauptpartien
Virginia Gordani
Sandra Warfield
Heinz Borsl
James McCracken
Abe Polakoff

Dienstag, 12. Juni
20.00 Uhr

Die Zauberflöte
Oper von
W. A. Mozart

Leitung
Hans Erismann
Rudolf Hartmann
Max Rothlisberger

Gastspiel
Maria Stader
Ernst Hähner
Peter Lagger

Mittwoch, 13. Juni
19.30 Uhr

Die Fledermaus
Operette von
Johann Strauss

Leitung
S. Krachmalnick
Herbert Graf
Max Rothlisberger
Wend Hubert

In den Hauptpartien
Adèle Leigh
Eva-Maria Rogner
Regina Sarfaty
Wolfram Mertz
Leonhard Pölckl
Alfred Rasser
Rudolf Schöckl
Ralph Telasko
Robert Thomas

Samstag, 16. Juni
20.00 Uhr

Orpheus
und Eurydike
Oper von
Chr. W. von Gluck

Leitung
Robert F. Desautel
Hans Zimmermann
Max Rothlisberger
James J. Berger

In der Hauptpartie
Regina Sarfaty

Sonntag, 17. Juni
20.00 Uhr
Mittwoch, 20. Juni
20.00 Uhr
Neu-Inszenierung

Der Freischütz
Oper von Carl Maria
von Weber

Leitung
Rudolf Kempe
Herbert Graf
Rudolf Heinrich

Gastspiel
Ingrid Bjoner
Harry Stieff
Gottlob Frick
Fritz Uhl

Donnerstag, 21. Juni
20.00 Uhr

Die Nachtigall
Die Geschichte
vom Soldaten
von Igor Strawinsky

Leitung
Victor Reinschagen
Hans Zimmermann
Hans Erni

In den Hauptpartien
Die Nachtigall
Ren Grist
Glade Peterson
Die Geschichte
vom Soldaten
Virginia Zengo
Hans-Joachim Frick
Franz Metter
Bill Ross

Sonntag, 23. Juni
19.00 Uhr
Dienstag, 25. Juni
19.00 Uhr

Der Rosenkavalier
Oper von
Richard Strauss

Leitung
Peter Maag
Herbert Graf
Max Rothlisberger

In den Hauptpartien
Lisa Della Casa
Anneliese
Rothlisberger
Regina Sarfaty
Rudolf Knoll
James Pease

Samstag, 24. Juni
20.00 Uhr

Il Barbiere
di Sordani
Oper von
Gioacchino Rossini

Leitung
Nello Santi
Loth Mansouri
Max Rothlisberger

In den Hauptpartien
Ren Grist
Heinz Borsl
Fernando Corena
Robert Kerns
Fritz Peter

Mittwoch, 27. Juni
20.00 Uhr

Don Giovanni
Oper von
W. A. Mozart

Leitung
Peter Maag
Josef Giesen
Max Rothlisberger

In den Hauptpartien
Maria van Dongen
Ren Grist
Vera Schlosser
Heinz Borsl
Fernando Corena
Werner Ernst
George London
Glade Peterson

Ballet
du XXème Siècle
du Théâtre Royal
de la Monnaie
Bruxelles

Leitung
Maurice Béjart
André Vandermoot

Choreographie
Maurice Béjart
Anne Charst

Freitag, 28. Juni
20.00 Uhr
Sonntag, 1. Juli
14.30 Uhr
1. Programm

Homage
à Igor Strawinsky

Pulcinella
Musik von
Igor Strawinsky

Jeu de Cartes
Musik von
Igor Strawinsky

Le Sacre
du Printemps
Musik von
Igor Strawinsky

Sonntag, 30. Juni
19.00 Uhr
Sonntag, 1. Juli
20.00 Uhr
2. Programm

Directimato
Musik von
Fernand Schärer

Fantasia
Concertante
Musik von
S. Prokofiev

Sensale à trois
Musik von
Béla Bartók

Bolero
Musik von
Maurice Ravel



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Tuesday, November 12, 1996

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House prosecutors deposed Monica Lewinsky on Monday, White House lawyers, who also attended the session, asked no questions, but did apologize to Lewinsky on behalf of the president. Video tapes and transcripts of the session will be available to the Senate Tuesday morning.

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- [Constitution Is Not Clear on Indicting President](#)



President Clinton released a \$1.766 trillion Federal budget plan for 2000 on Monday that proposes billions of dollars in new spending while preaching fiscal conservatism. [Go to Article](#)



Researchers Trace the AIDS Virus to a Subspecies of Chimpanzee in Africa

Scientists reported on Sunday that they had traced the origin of the AIDS virus to a related virus in a subspecies of chimpanzee in Africa. [Go to Article](#)

- [One Week Treatment Cuts Transmission of AIDS in Childbirth](#)



John Elway, left, won his first Super Bowl m.v.p. trophy during the Broncos 34-19 defeat of the Atlanta Falcons. [Go to Article](#)

TECHNOLOGY

[Judge Delays Online Pornography Law](#)

INTERNATIONAL

[Aggrieved Farmers Pose Threat to Communist Party in China](#)

BUSINESS

[AT&T, Time Warner Strike Phone Deal](#)

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The New York Times

Wednesday, June 14, 2006 Last Update: 4:01 PM ET



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After Iraq Visit, Bush Urges Patience

By CHRISTINE HAUSER 1:54 PM ET

The message suggested that although certain milestones have been achieved in Iraq, the U.S. mission now included broader measurements of success.

- [Video Report](#)
- [News Analysis: Bush Seizes on a Step Forward](#)
- [New Security Plan Brings Few Changes to Baghdad](#)

Man Suspected of Stabbing 4 in N.Y. Is Arrested

By AL BAKER and JOHN HOLUSHA 11:23 AM ET

The man was arrested shortly after two women were stabbed outside the W hotel at 47th and Broadway early this morning.

[Financial Crunch](#)



Musadeq Sadeq/Associated Press

Afghans Call for Release of 47 From Guantánamo

An Afghan government delegation said that half of the Afghans still being held were not guilty of serious crimes.

Shares Plummet After Delay in Airbus Jet Delivery

By NICOLA CLARK International Herald Tribune 2:33 PM ET

The parent company's stock slid by as much as a third after news that the A380 airplane is behind schedule.

Led by Higher Rents, Prices Continue to Climb

By JEREMY W. PETERS 2:52 PM ET

The report reaffirmed the belief among many economists and investors that the Fed will raise interest rates again.

- [Consumer Price Index Report \(pdf\)](#)
- [Core Producer Prices Rise a Little More Than Forecast](#)

TRAVEL »

Buenos Aires Beef

Off to the fair, champion bulls in tow, at the annual Argentine Rural Society Fair.



[Slide Show](#)

World Cup '06 LIVE

Germany-Poland

Rob Mackey is covering all the action, minute by minute, of the match in Dortmund.

- [Tunisia 2, Saudi Arabia 2](#)
- [Spain 4, Ukraine 0](#)
- [World Cup Blog](#)
- [Scores and Standings](#)
- [Complete Coverage](#)

OPINION »

- [Friedman: G.M. — Again](#)
- [The Opinionator](#)
- [Cohen: Internet Politics](#)
- [Editorial: Bush's Trip](#)

MARKETS 4:30PM ET BigCharts

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NAS	2,006.00	+10.53	+0.55%
S&P	1,230.94	+6.35	+0.52%

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