TEACHER RESOURCE PACK

This Teacher Resource Pack is a collection of classroom resources that is provided free to both subscribers and nonsubscribers. Created by teachers, for teachers, this collection offers a range of cross-curricular materials to support learning and teaching in the classroom.

These resources can be used on the whiteboard or as laminated reference sheets. Pages may be photocopied and distributed freely – share items with your colleagues!

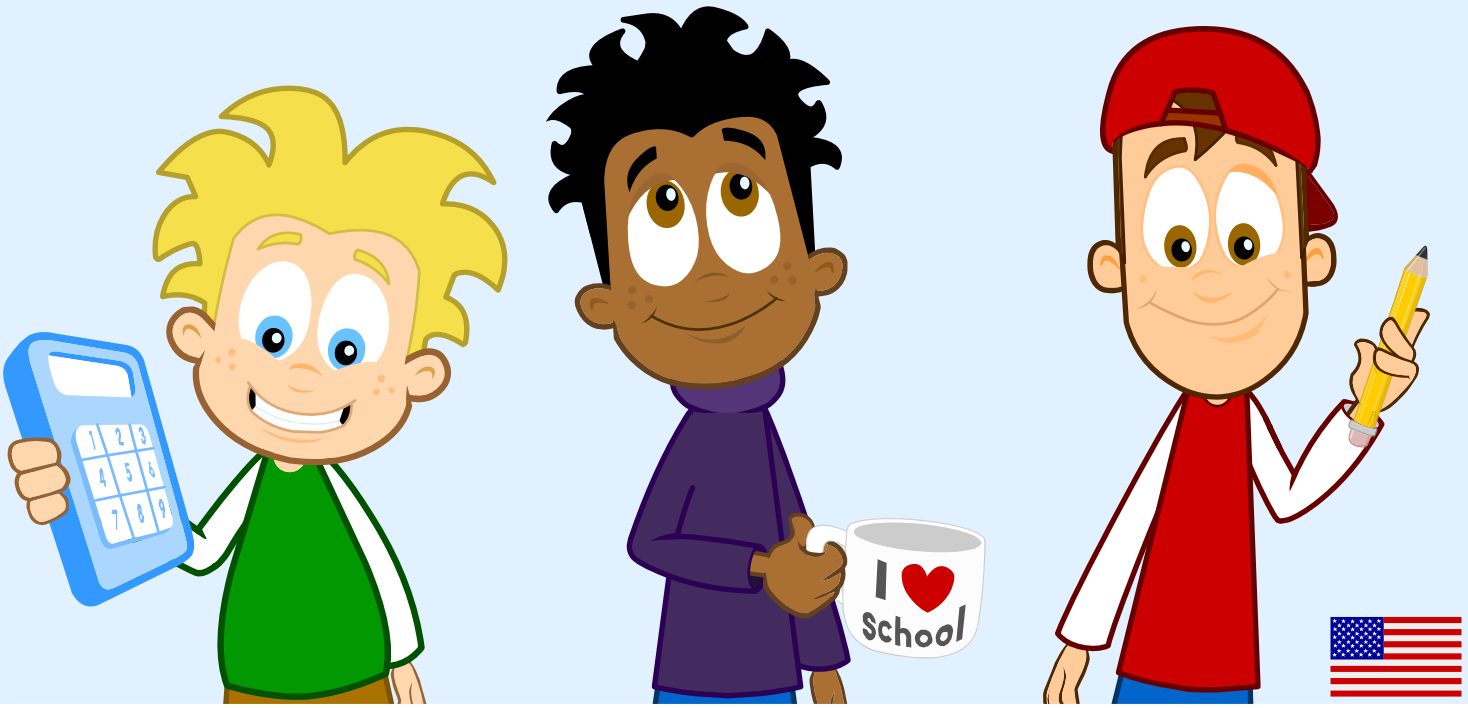
The Teacher Resource Pack is provided in full color. Resources have been optimized for grayscale printing to provide high quality images in either black and white or color.

The Teacher Resource Pack can be found on the Welcome page in the Teacher Area. Like all EducationCity content, the Teacher Resource Pack will be regularly updated based on customer and internal feedback.

If you have suggestions for a resource that you think would be a great addition to the next update, let us know by emailing:

teacherpack@educationcity.com

- The Content and Curriculum Team



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Angles

- Angles 1 - Protractor
- Angles 2 - Angles

Compare and Contrast

- Compare and Contrast

Computing

- Binary - 1 to 20

Conversions

- Conversions 1 - Distance
- Conversions 2 - Time
- Conversions 3 - Temperature
- Conversions 4 - Mass and Weight
- Conversions 5 - Capacity

Diagrams

- Diagrams 1 - Venn Diagram
- Diagrams 2 - Cycle Diagram
- Diagrams 3 - Tangram
- Diagrams 4 - Flow Diagram

General

- General 1 - My Glossary
- General 2 - Self-Assessment
- General 3 - Birthday List
- General 4 - KWL Chart

Graphic Organiser

- Graphic Organizer

Grids and Graphs

- Grids and Graphs 1 - Blank Grid
- Grids and Graphs 2 - Coordinates
- Grids and Graphs 3 - Numbers 1-100
- Grids and Graphs 4 - Multiplication 1-12
- Grids and Graphs 5 - Blank 10x10
- Grids and Graphs 6 - Blank 20x20

Lines

- Lines 1 - Blank Number Lines
- Lines 2 - Number Line to 10 and 20
- Lines 3 - Number Lines
- Lines 4 - Decimals
- Lines 5 - Fractions
- Lines 6 - Fraction Comparison

Money

- Money 1 - Coins and Dollar Bills

Number

- Number 1 - Number Flash Cards
- Number 2 - Fraction Flash Cards
- Number 3 - Addition Pyramid
- Number 4 - Roman Numerals
- Number 5 - Walls - Decimals, Fractions and Percentages

Reading

- Reading 1 - Guided Reading Template
- Reading 2 - Predict, Clarify, Ask Questions and Summarize

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Science

• Science 1 - Investigation Template

Shapes

• Shapes 1 - 2-D
• Shapes 2 - Shape Nets
• Shapes 3 - 2-D Shape Flash Cards
• Shapes 4 - 3-D Shape Flash Cards

Time

• Time 1 - Analog Clock
• Time 2 - Digital Clock

Times Tables

• Times Tables

Writing

• Writing 1 - Who, What, When, Where, Why, How
• Writing 2 - Cartoon Strip Template
• Writing 3 - Character Comparisons
• Writing 4 - Definition Template
• Writing 5 - Imagery Chart
• Writing 6 - Mnemonic Template
• Writing 7 - Newspaper Report Template
• Writing 8 - Look, Say, Cover, Write, Check
• Writing 9 - Parts of Speech Flashcards
• Writing 10 - Punctuation Flash Cards
• Writing 11 - Synonyms Template
• Writing 12 - Antonyms Template
• Writing 13 - Alphabet Flash Cards

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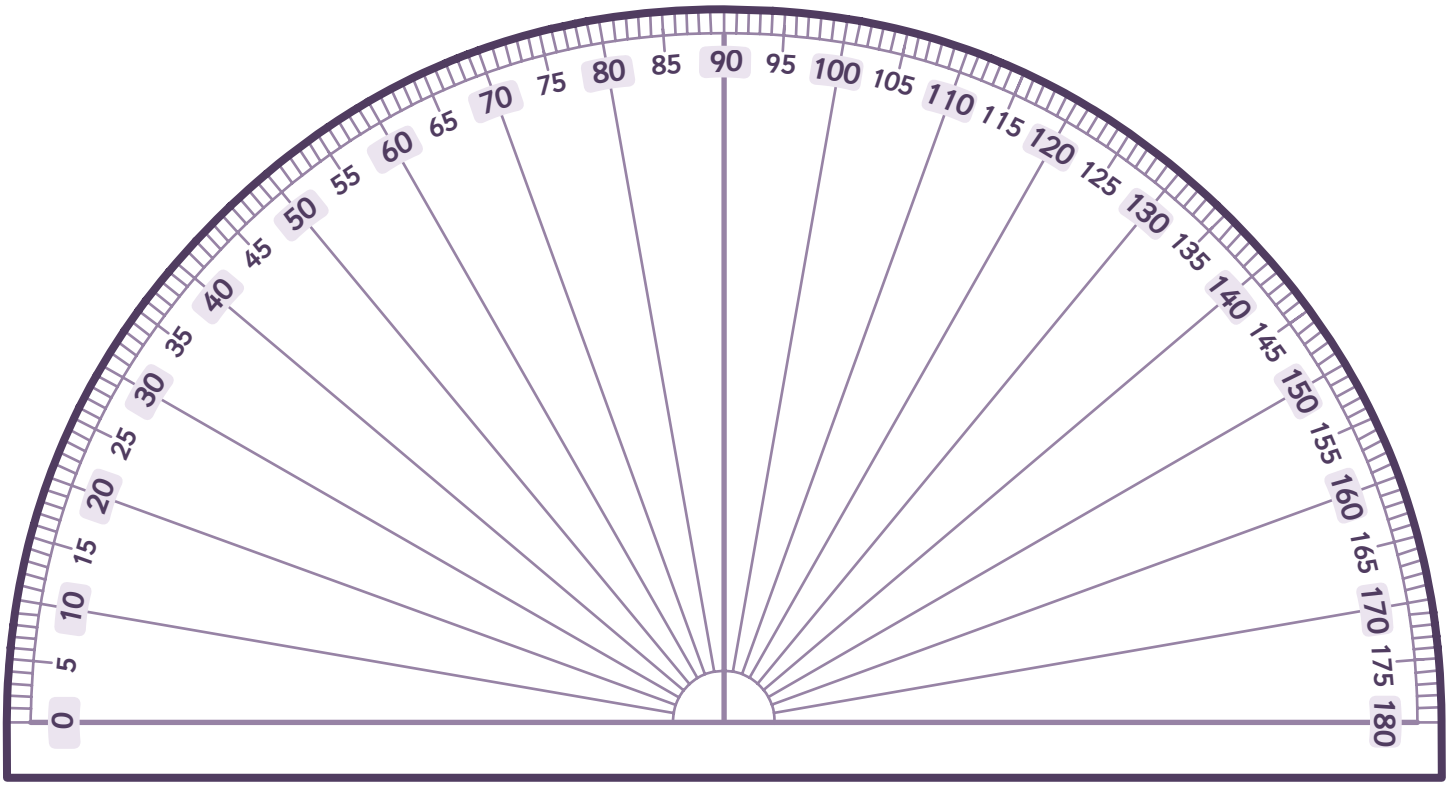

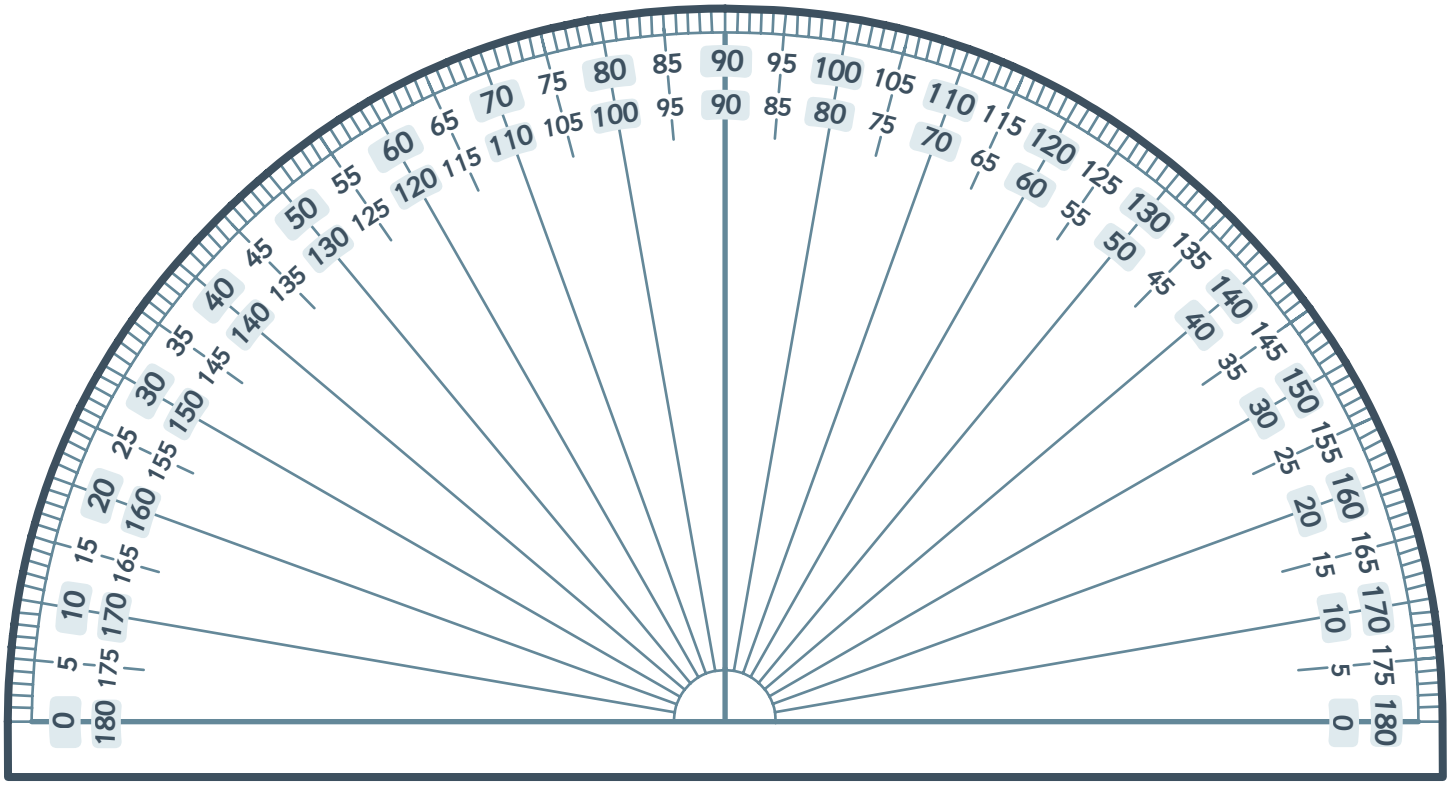

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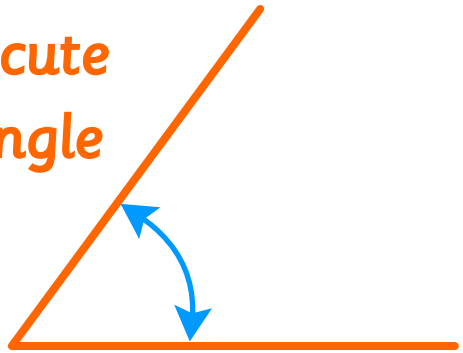
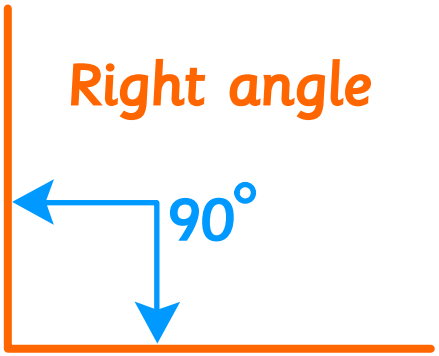
Acute angle



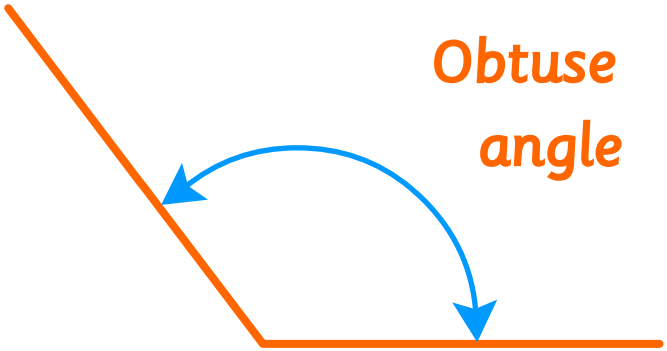
An acute angle measures greater than 0°, but less than 90°.

Right angle



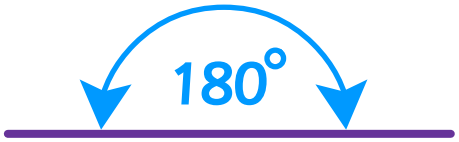
A right angle measures exactly 90°.

Obtuse angle



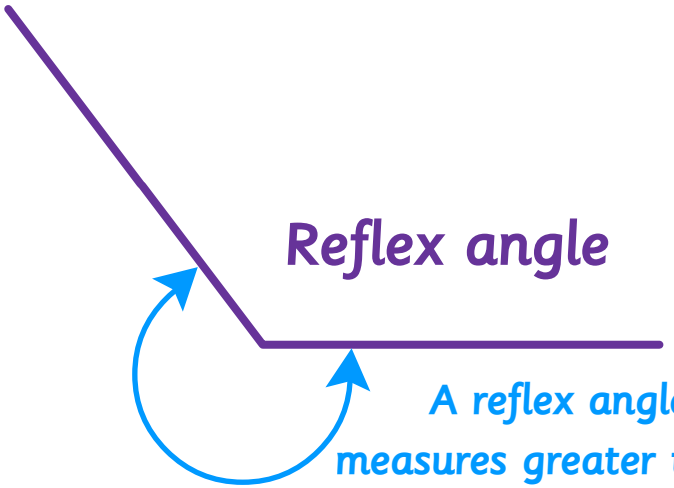
An obtuse angle measures greater than 90°, but less than 180°.

Straight line



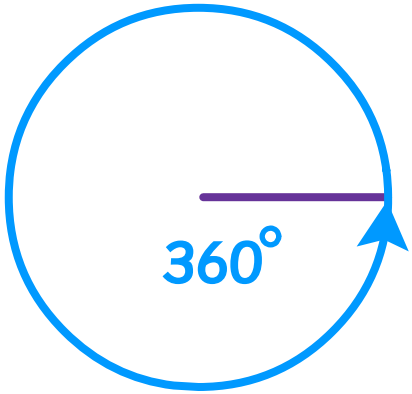
A straight line measures exactly 180°.

Reflex angle



A reflex angle measures greater than 180°, but less than 360°.

Full rotation



A full rotation measures exactly 360°.

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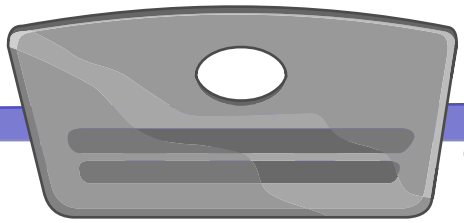

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00000001	00000010	00000011	00000100	00000101
1	2	3	4	5
00000110	00000111	00001000	00001001	00001010
6	7	8	9	10

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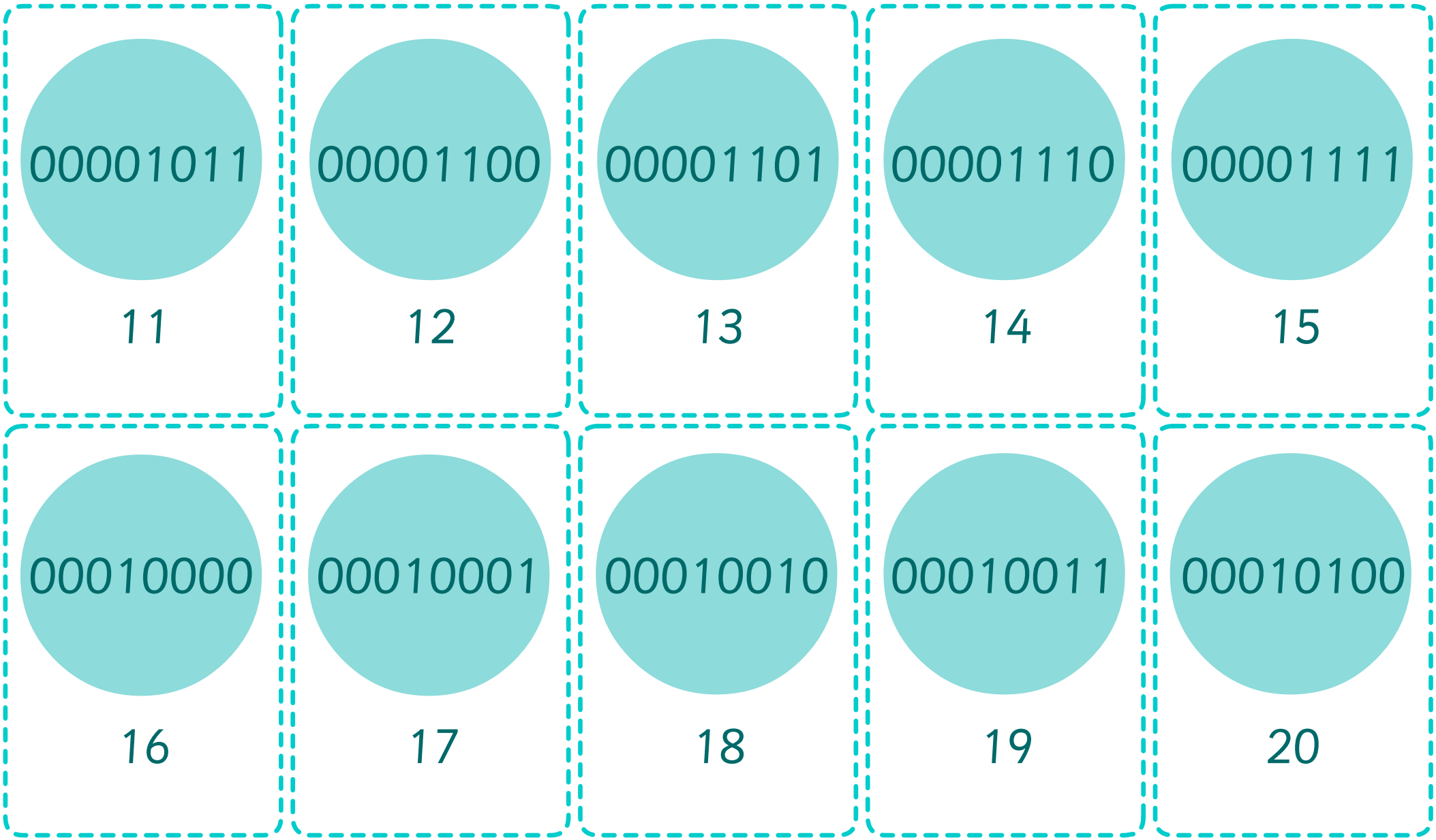

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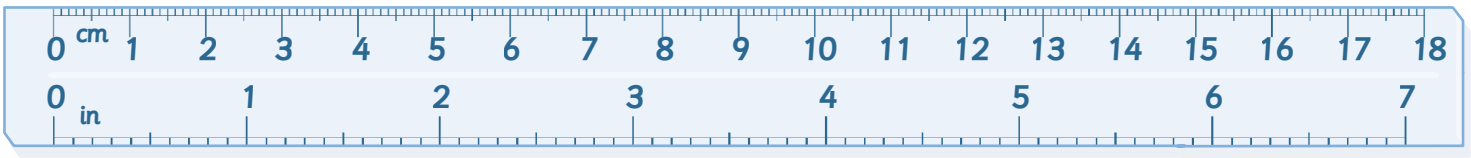


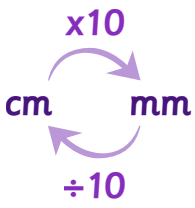
centimeters to inches

1 centimeter = 0.39 inches

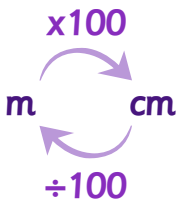
1 inch = 2.54 centimeters

metric

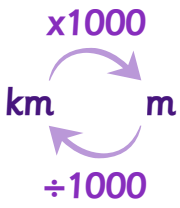
cm to mm



m to cm



km to m



metric conversions

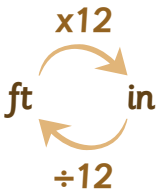
1 centimeter = 10 millimeters

1 meter = 100 centimeters

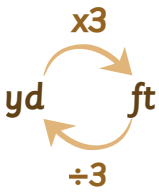
1 kilometer = 1000 meters

standard

ft to in



yd to ft



mi to yd

standard conversions

1 foot = 12 inches

1 yard = 3 feet

1 mile = 1760 yards

metric to standard

cm to in

mi to km

metric to standard

1 centimeter = 0.39 inches

1 yard = 0.9 meters

1 kilometer = 0.62 miles

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60 seconds = 1 minute

60 minutes = 1 hour

24 hours = 1 day

7 days = 1 week

In April, June, September, and November
30 days = 1 month

In January, March, May, July, August, October, and December
31 days = 1 month

In February
28 days = 1 month
(29 in a leap year)

Thirty days have September,
April, June, and November.
All the rest have 31,
Except February alone,
And that has 28 days clear,
And 29 in a leap year.

365 days = 1 year
366 days = 1 leap year

52 weeks = 12 months

12 months = 1 year

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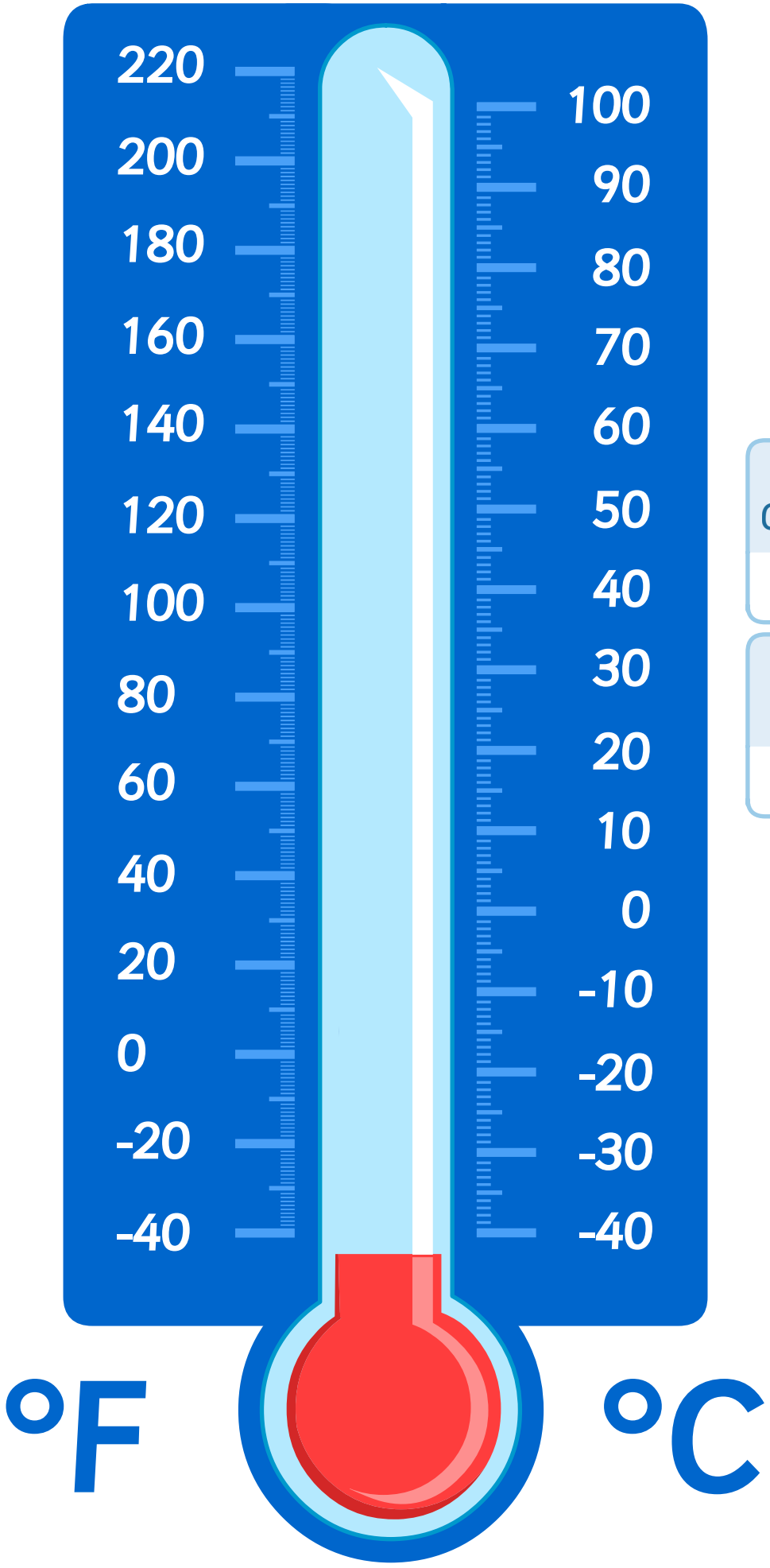

Celsius (centigrade)	to Fahrenheit
Celsius x 9 ÷ 5 + 32	

Fahrenheit to	Celsius (centigrade)
Fahrenheit - 32 x 5 ÷ 9	

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metric

g to mg

x1000

g ⇄ m g

÷1000

kg to g

x1000

kg ⇄ g

÷1000

grams to kilograms

1 kilogram = 1000 grams

standard

lb to oz

x16

pound ⇄ ounce

÷16

T to lb

x2000

ton ⇄ pound

÷2000

pounds to tons

1 pound = 16 ounces
1 ton = 2000 pounds

metric to standard

kg to lb

x2.2

kg ⇄ pound

÷2.2

kilograms to pounds

1 kilogram = 2.2 pounds
1 pound = 0.45 kilograms

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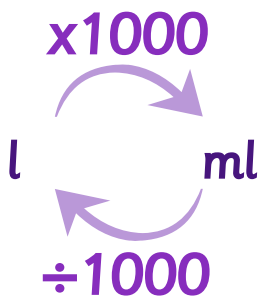
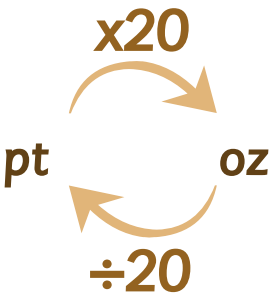
metric

l to ml



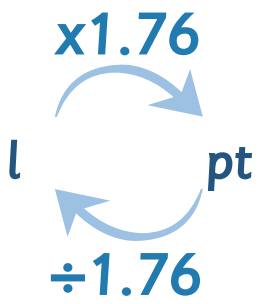
standard

pt to oz



metric to standard

l to pt



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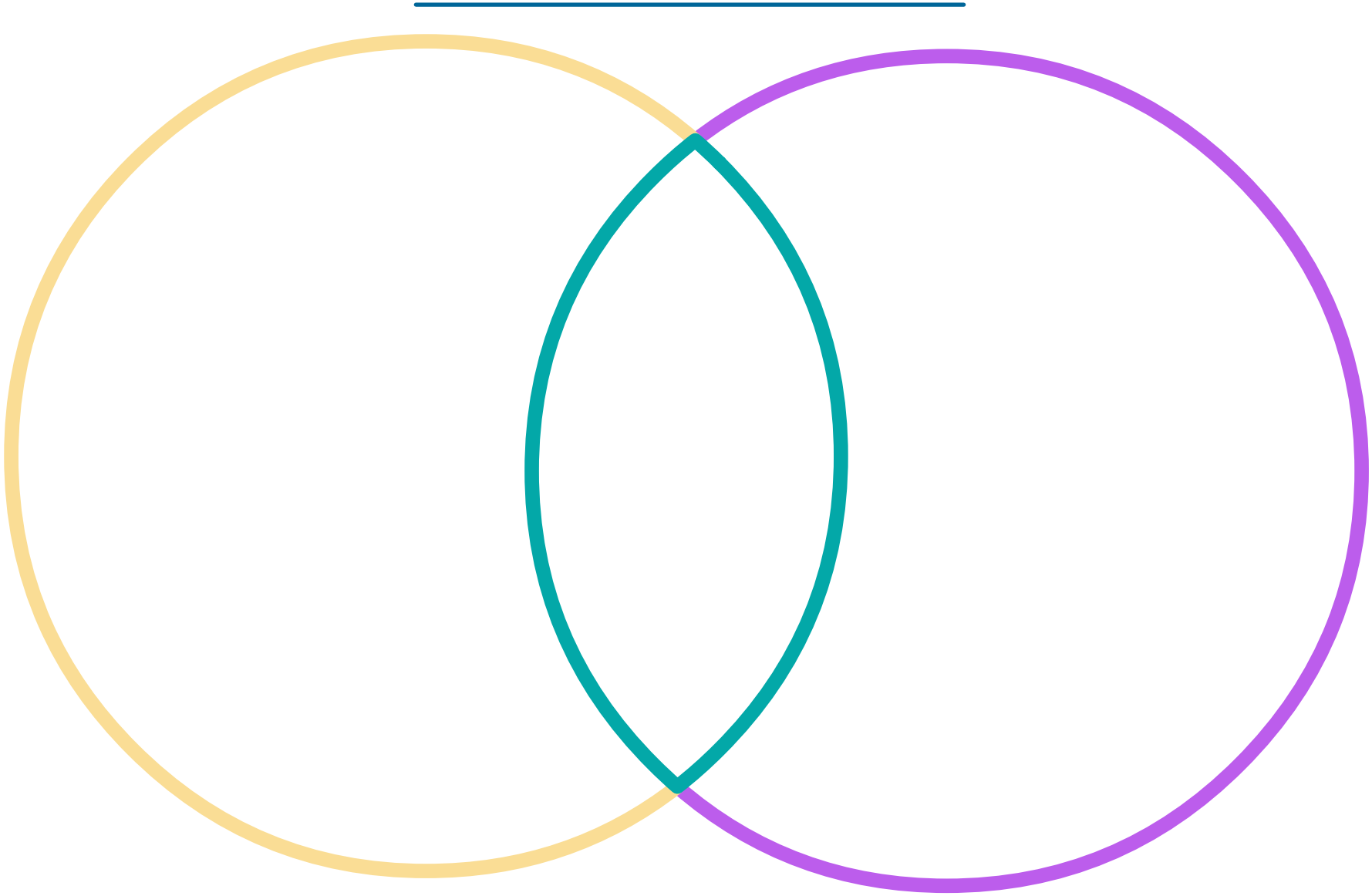

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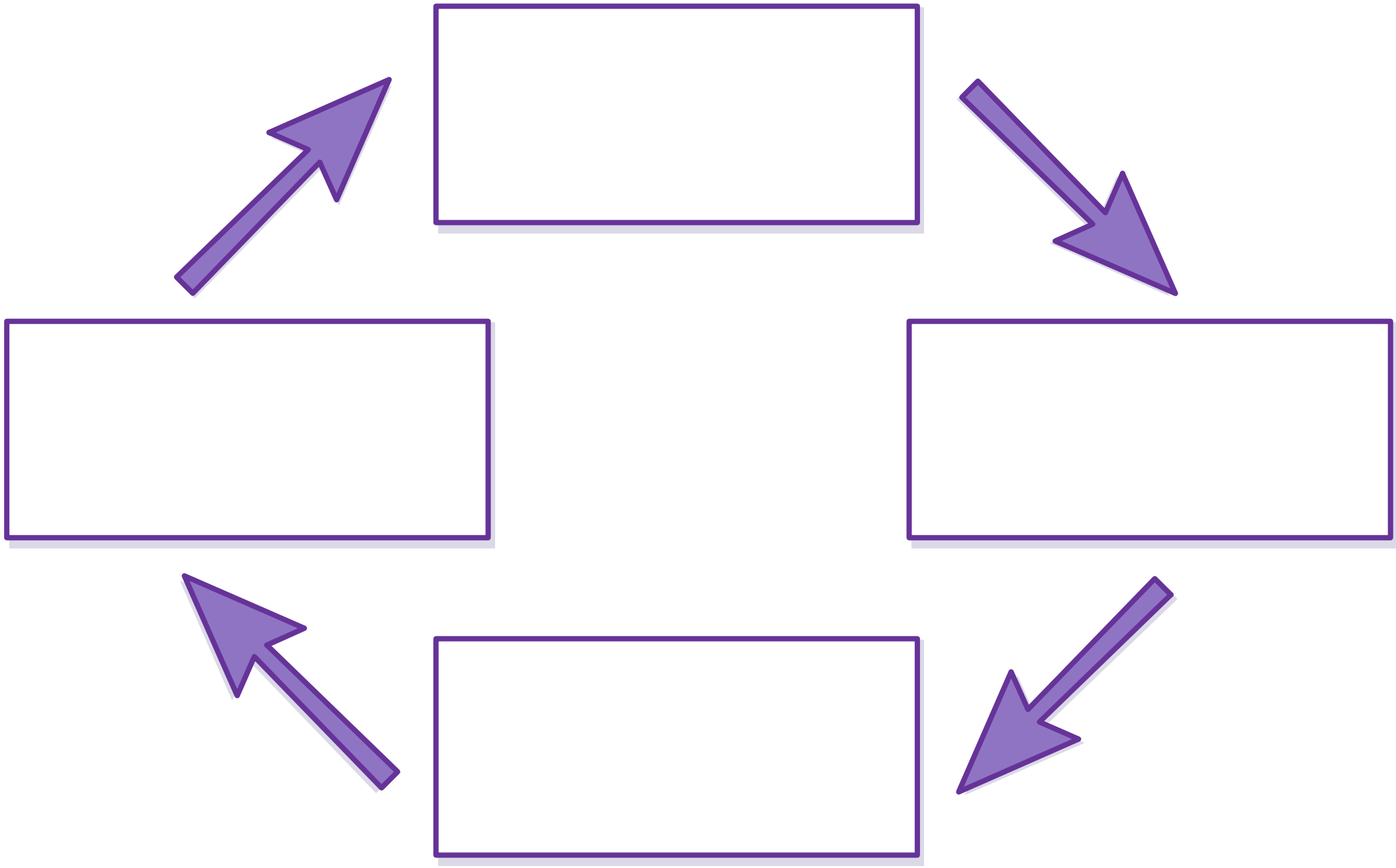

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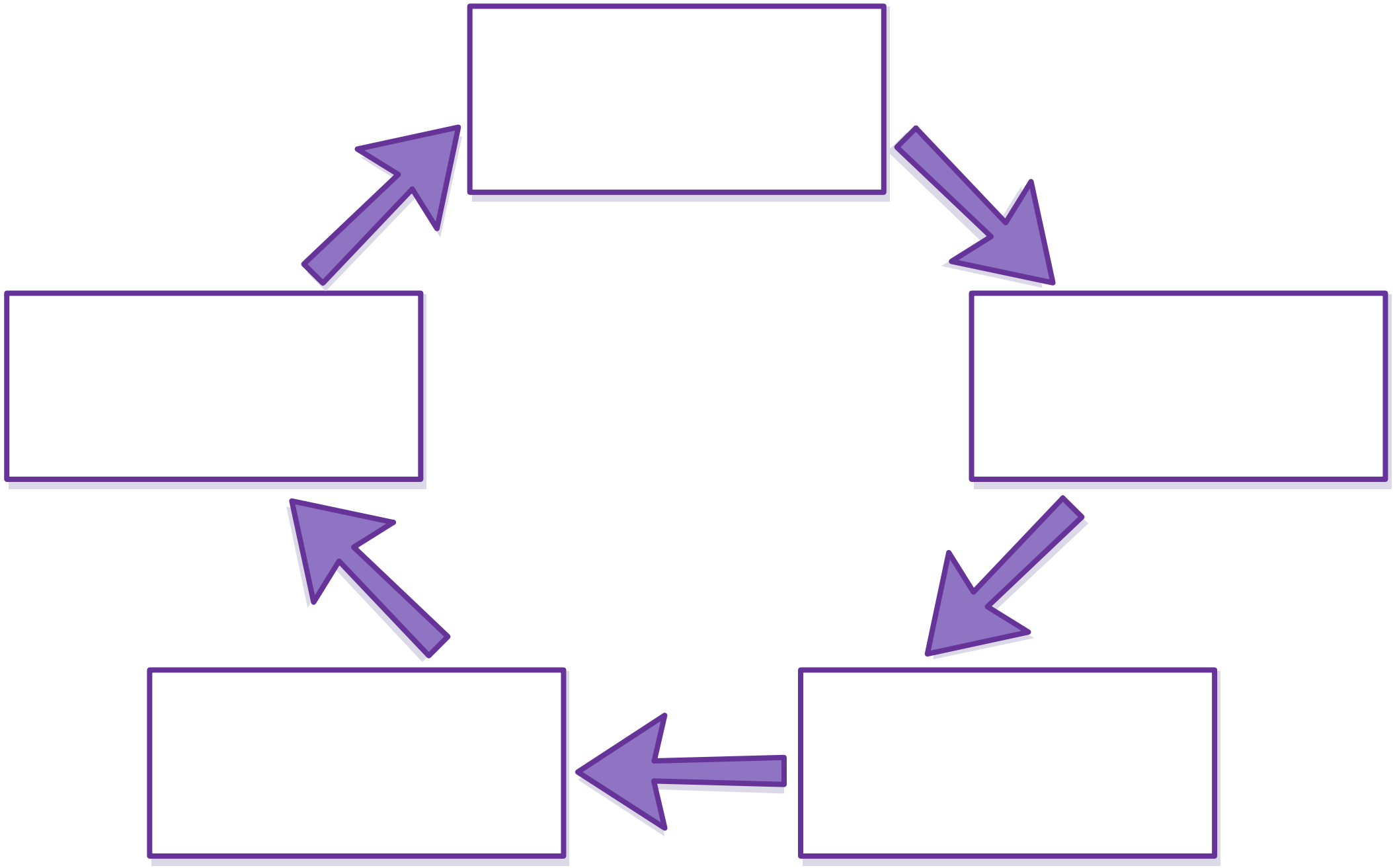

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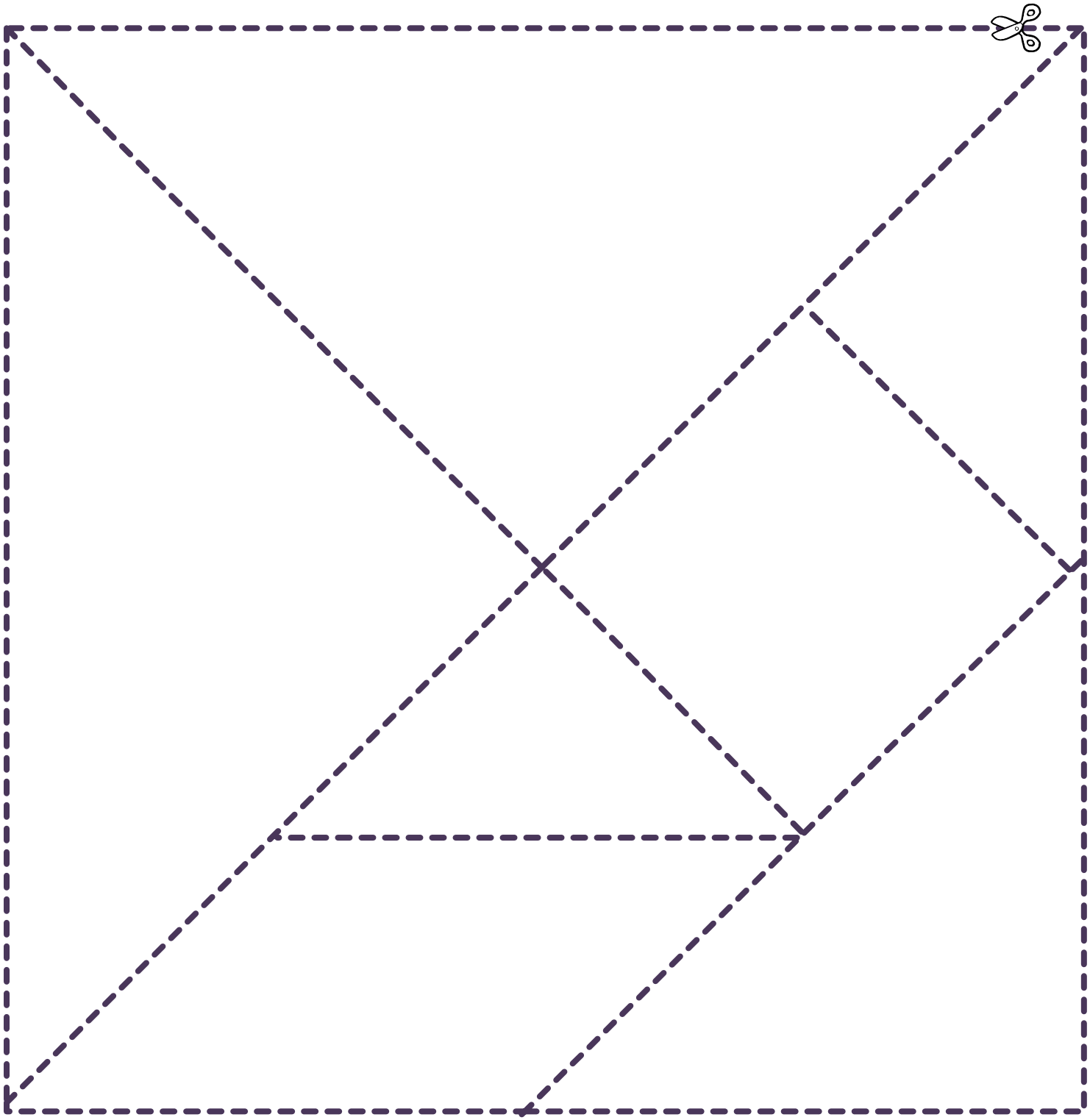

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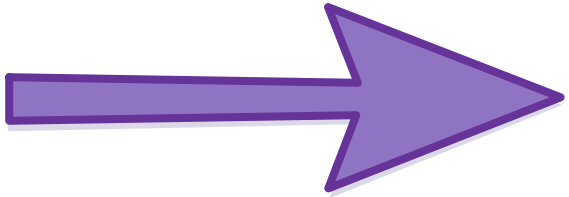
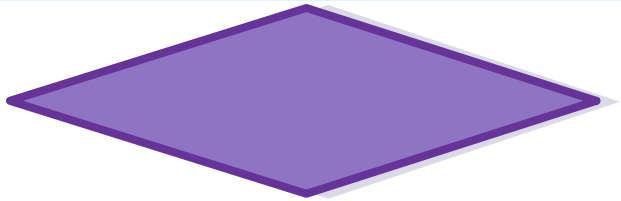
Symbol	Name	Function
	Start/End	This rounded rectangle represents a start or end point.
	Arrow	An arrow is a connector that shows relationships between the representative shapes.
	Input/Output	A parallelogram represents input or output.
	Process	A rectangle represents a process.
	Decision	A diamond represents a decision.

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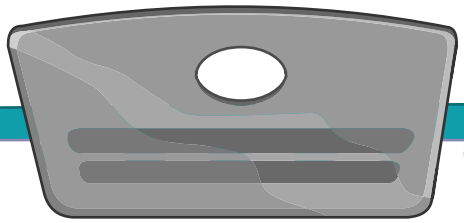

Keyword	Definition

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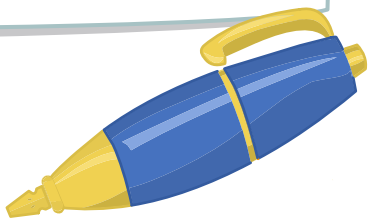
Today, I learned...

I am confident at...

I need more practice with...



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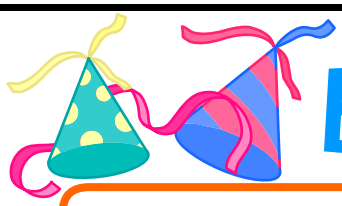

Birthday List

January	February	March
April	May	June
July	August	September
October	November	December

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KWL Chart

Teacher Resource

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K	W	L
What I know	What I want to know	What I have learned

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Profile

Name: _____

Age: _____

Appearance:

Personality:

What does the character do in the story?

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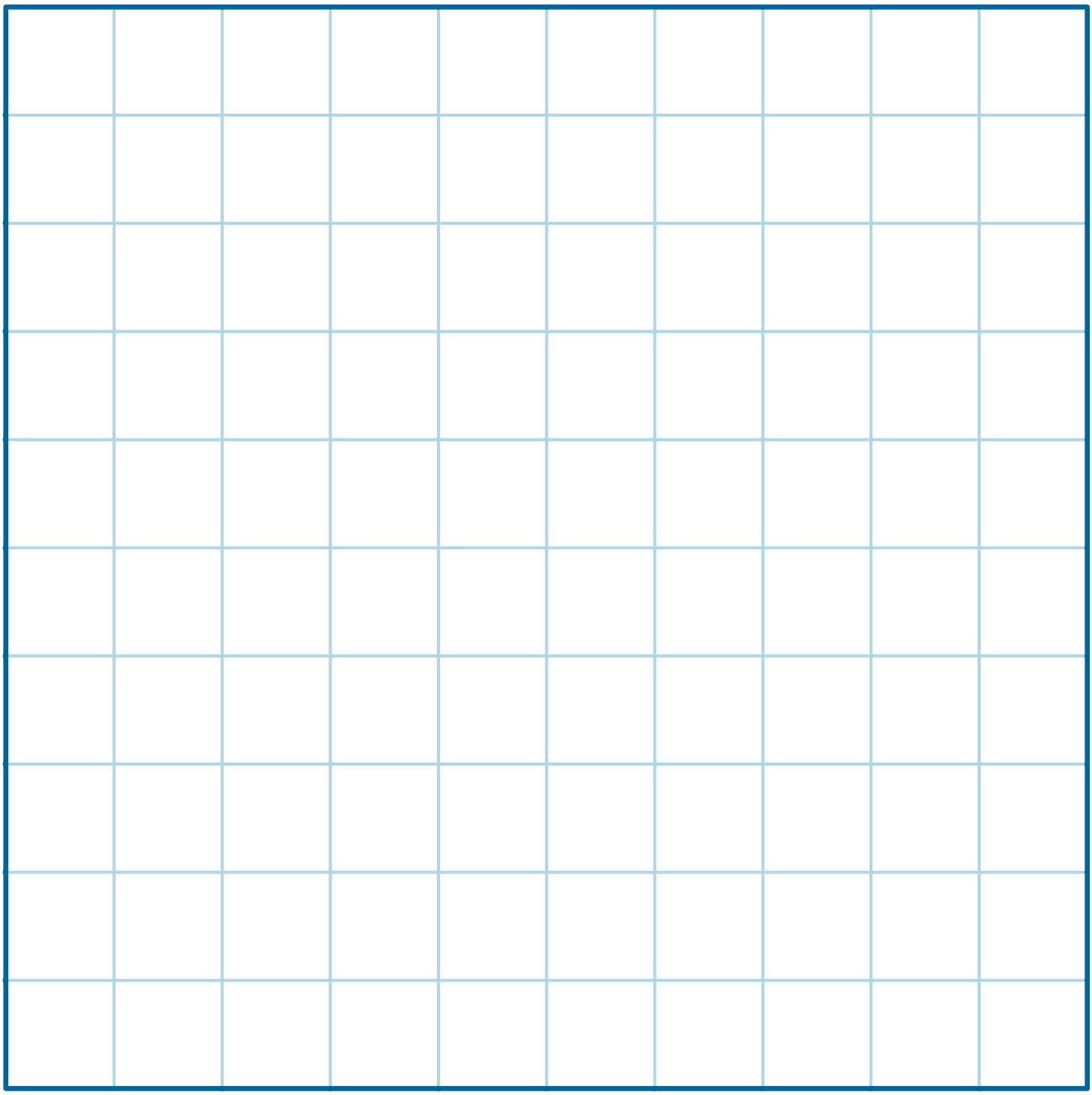

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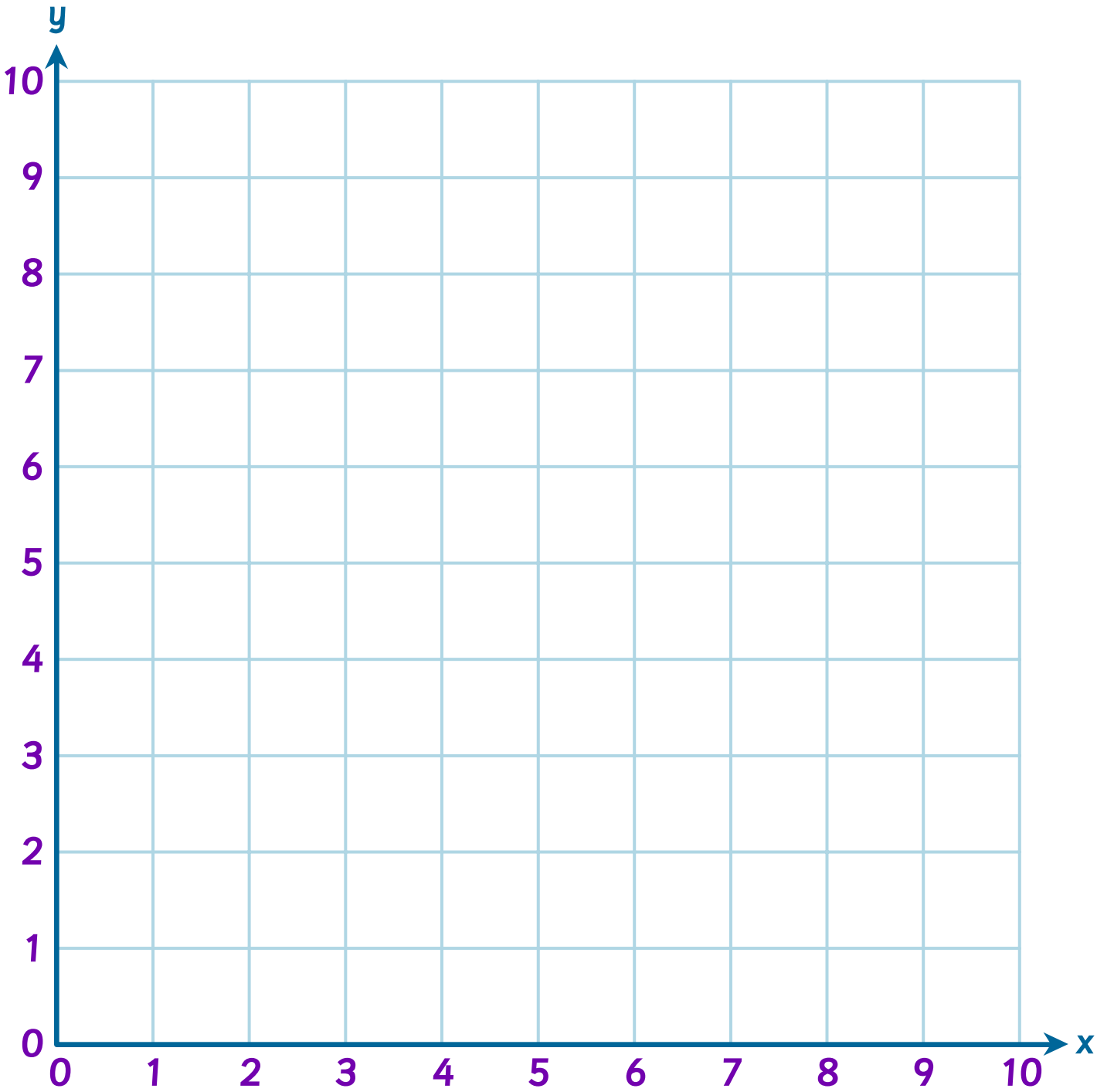

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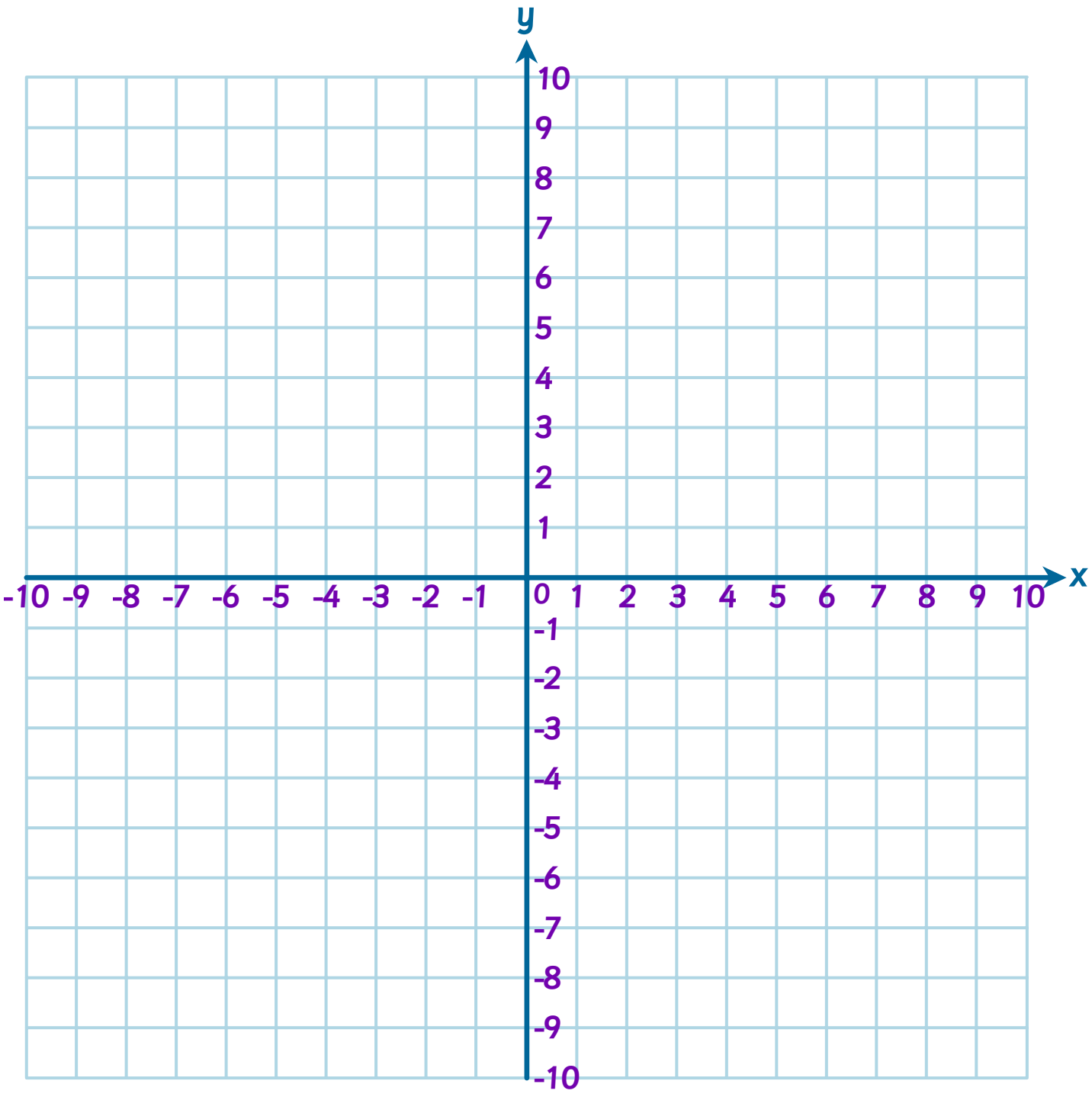

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21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
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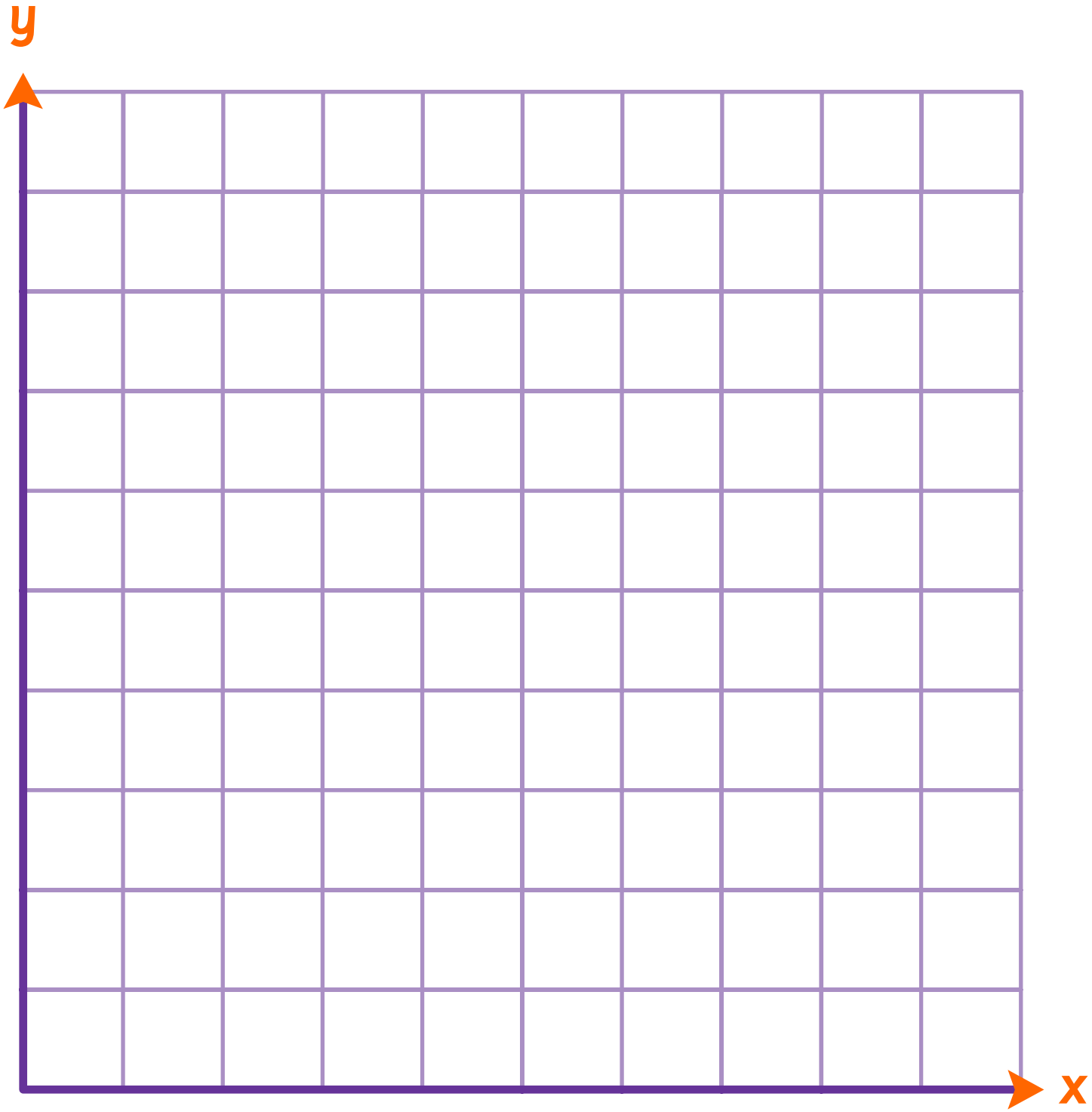

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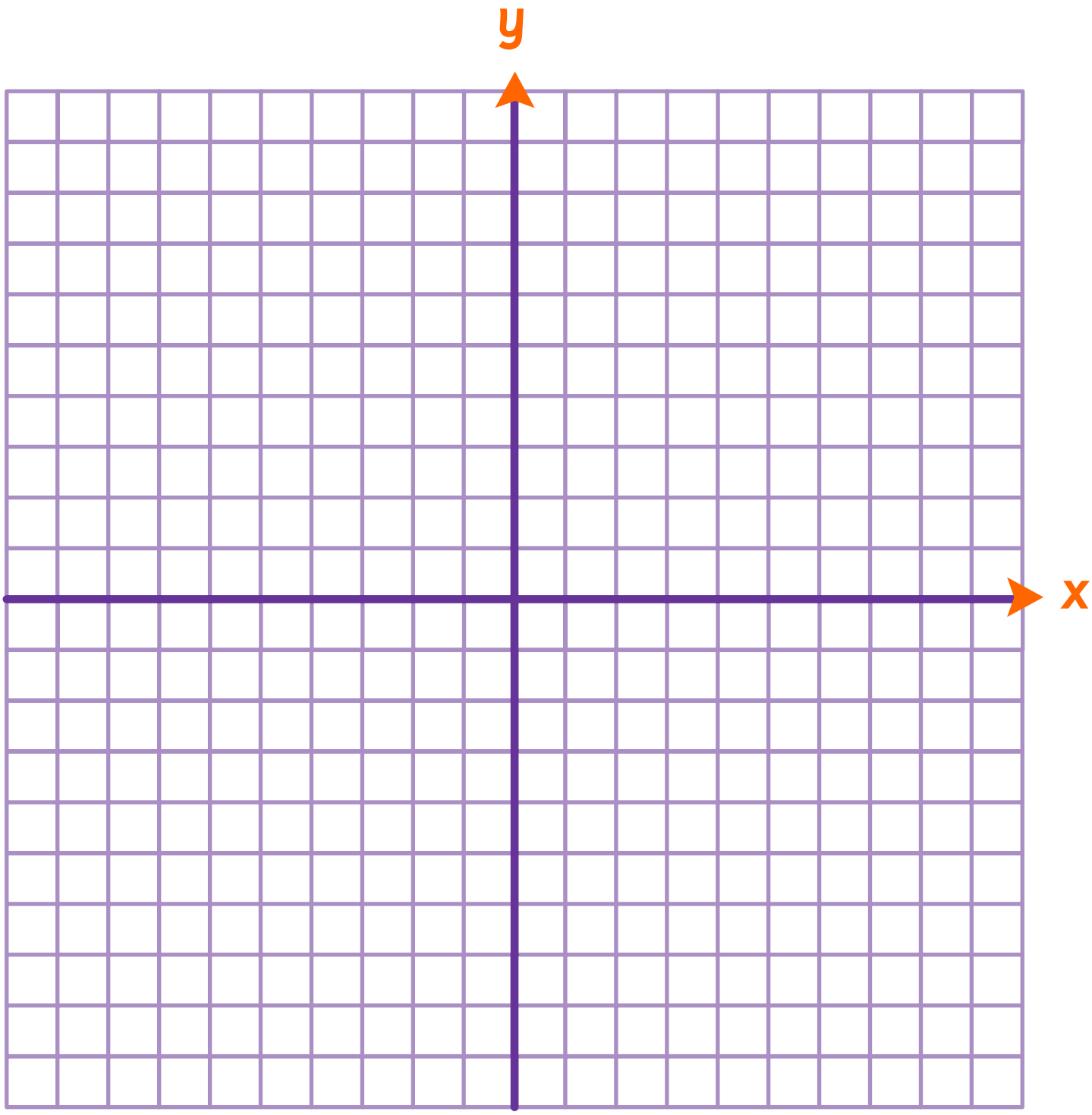

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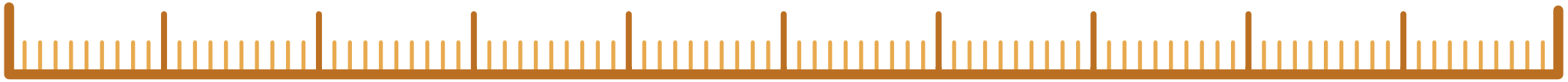

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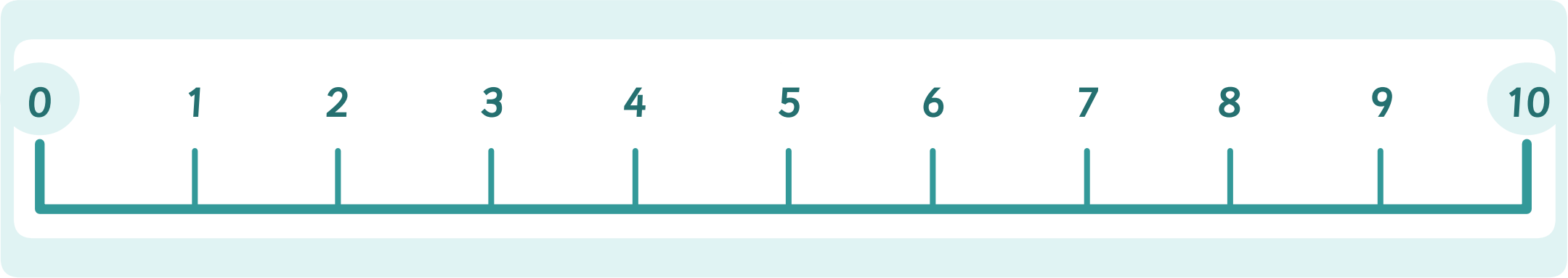

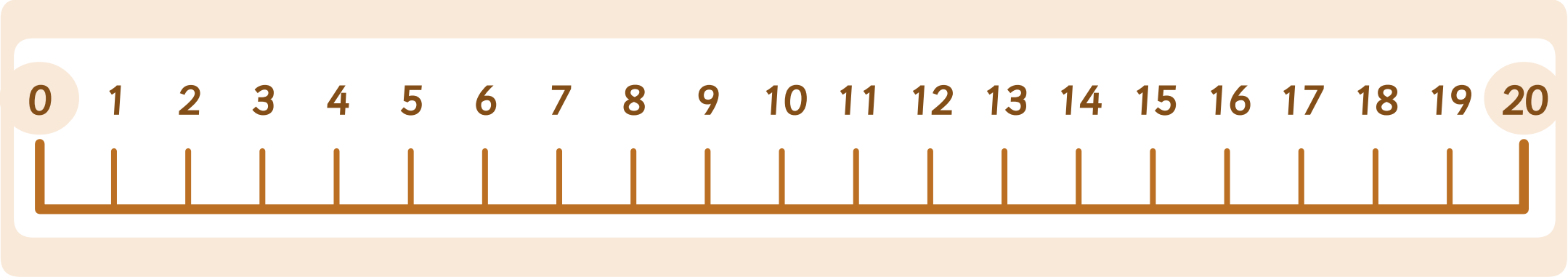

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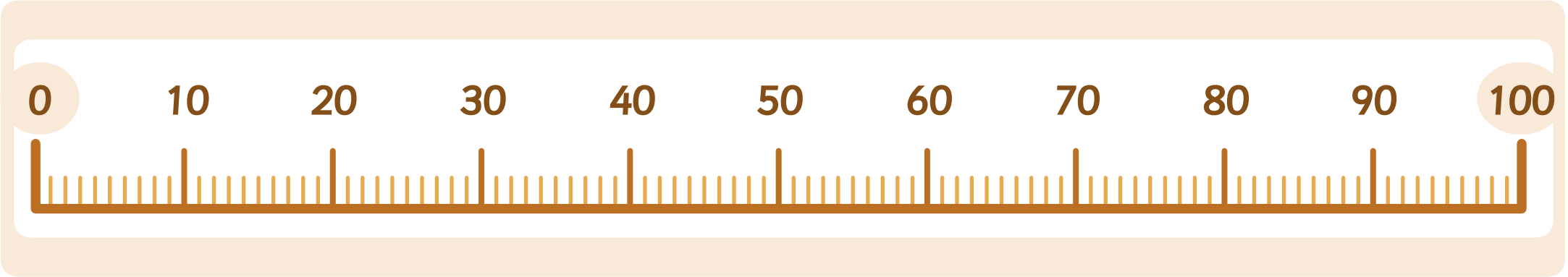

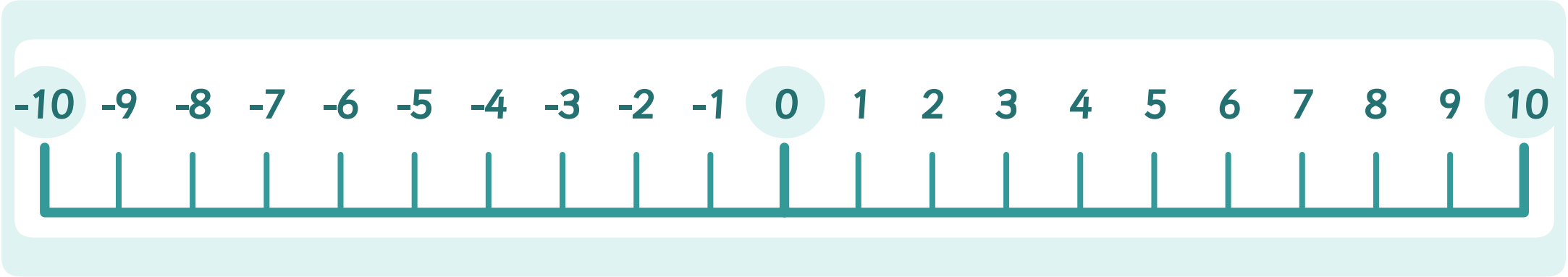

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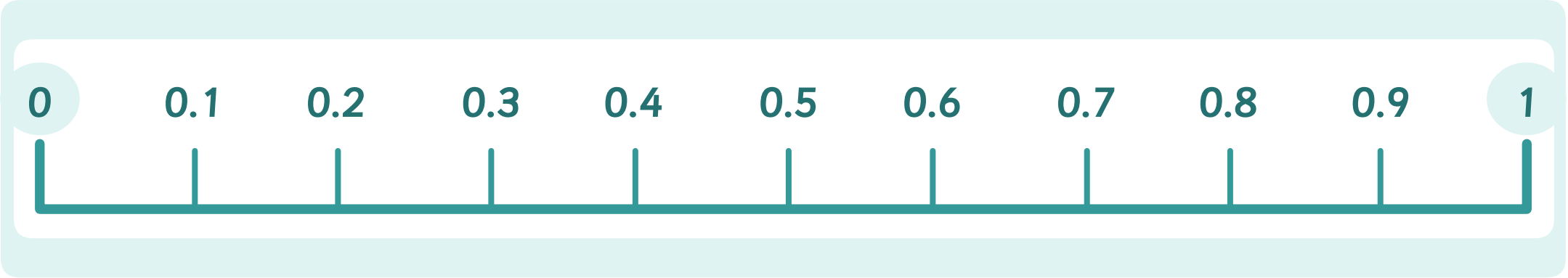

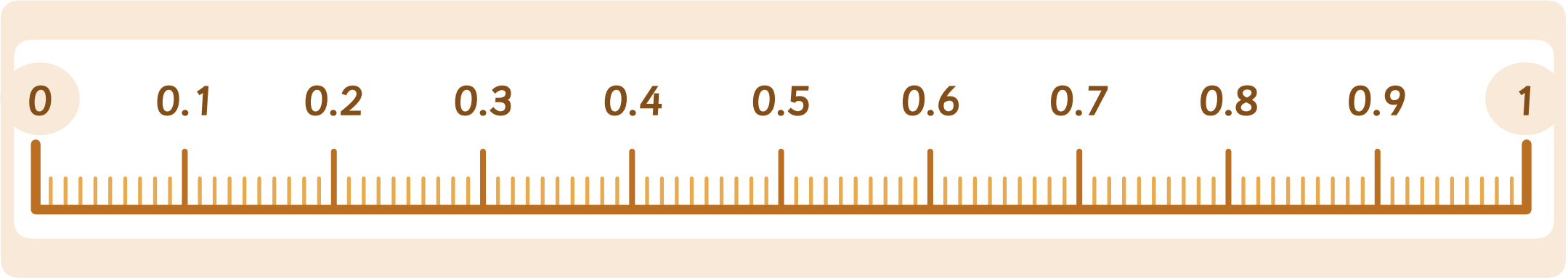

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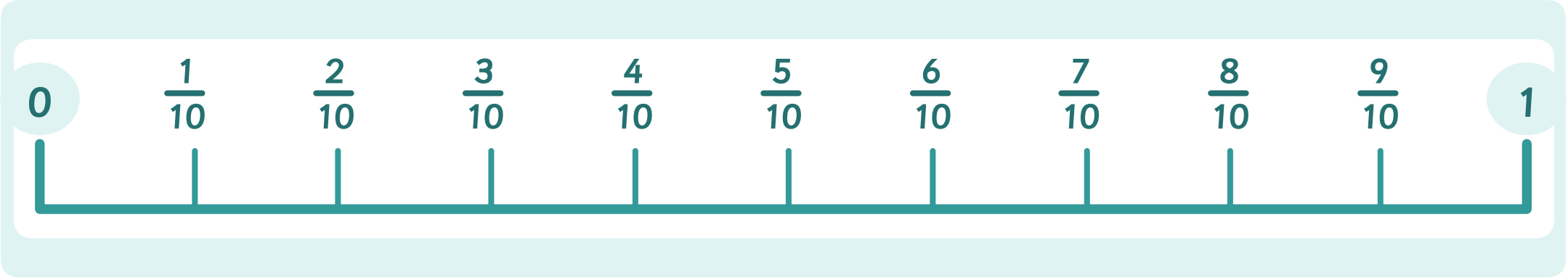

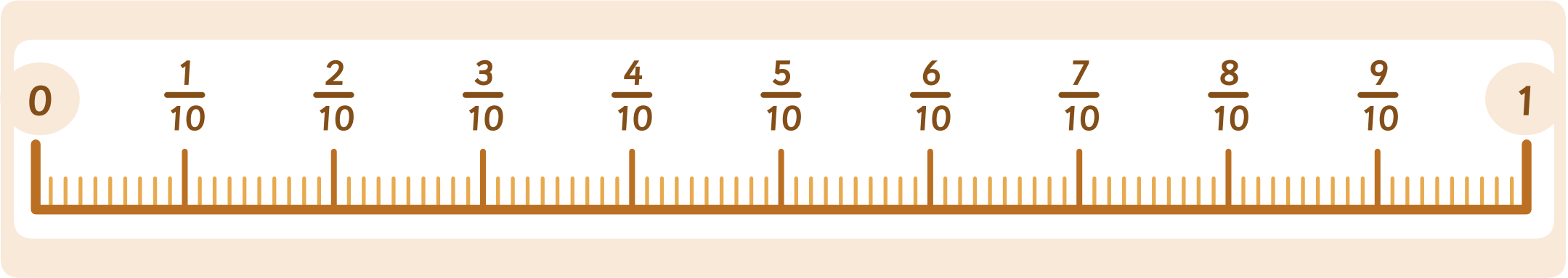

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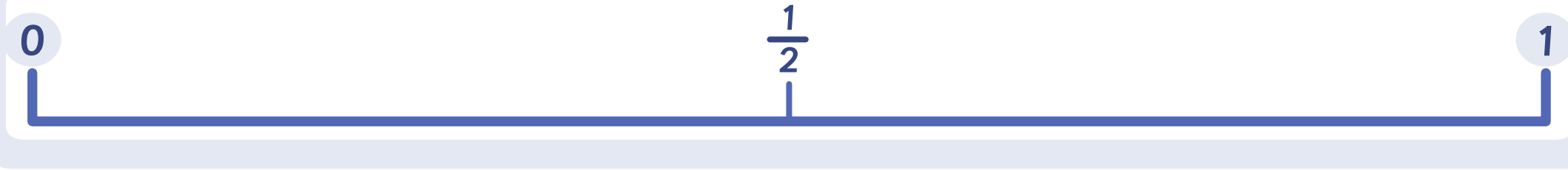

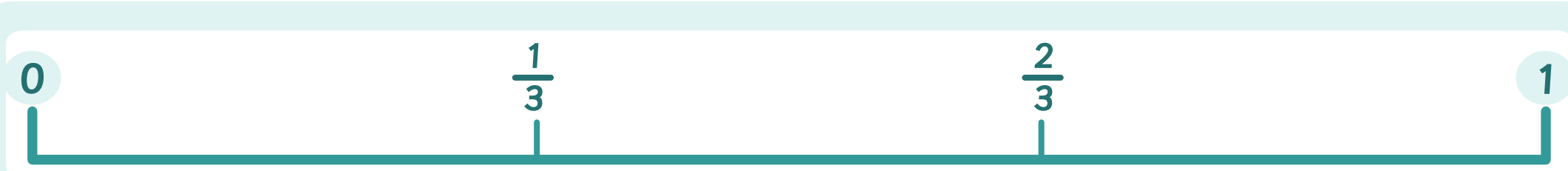

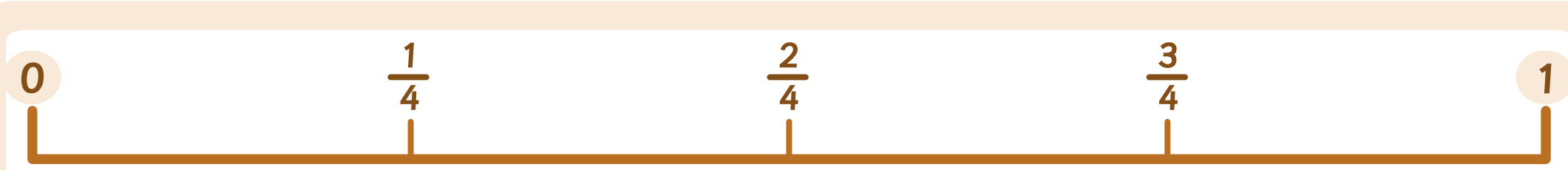

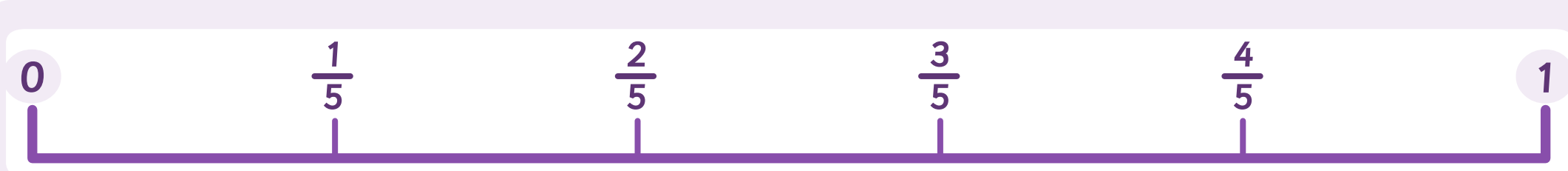

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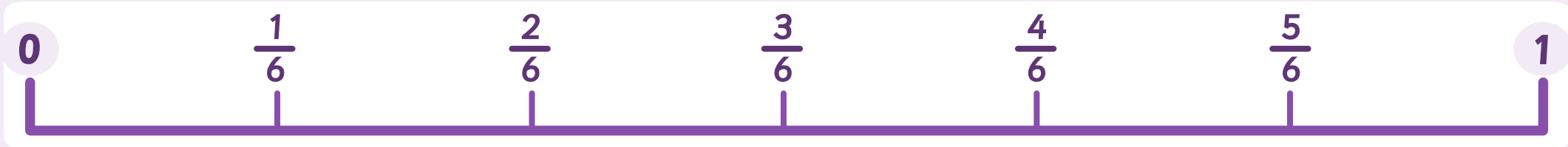

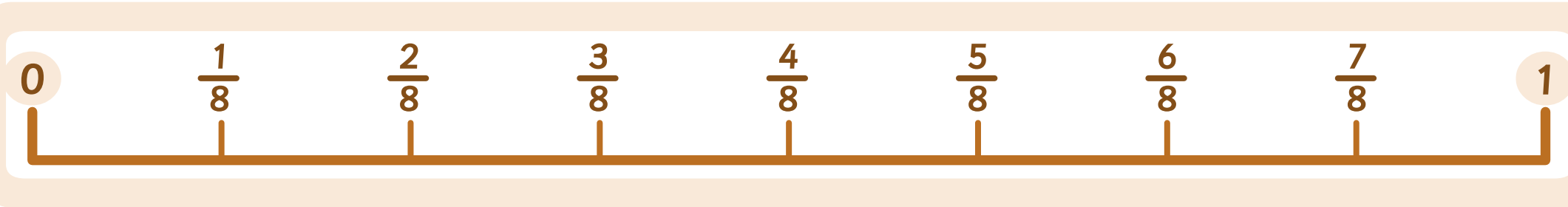

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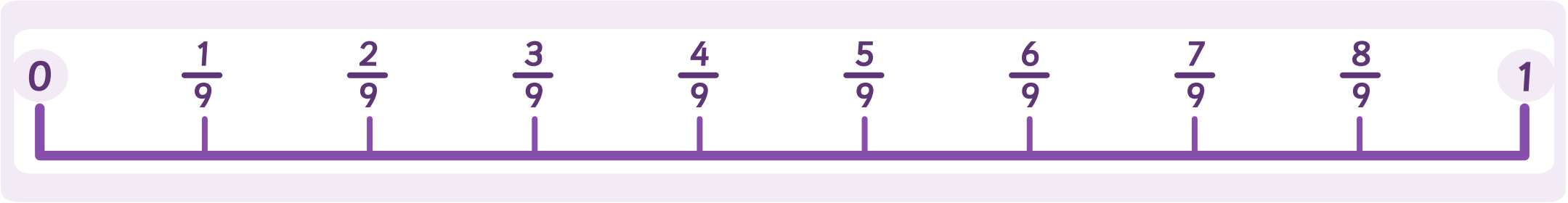

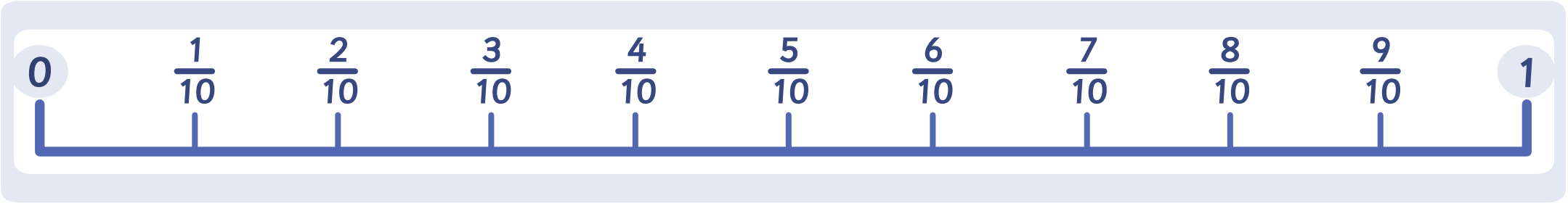

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Penny ($0.01 or 1¢)

Nickel ($0.05 or 5¢)

Dime ($0.10 or 10¢)

Quarter ($0.25 or 25¢)

Half dollar ($0.50 or 50¢)

Dollar ($1.00 or 100¢)

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One dollar

Five dollars

Ten dollars

Twenty dollars

Fifty dollars

One hundred dollars

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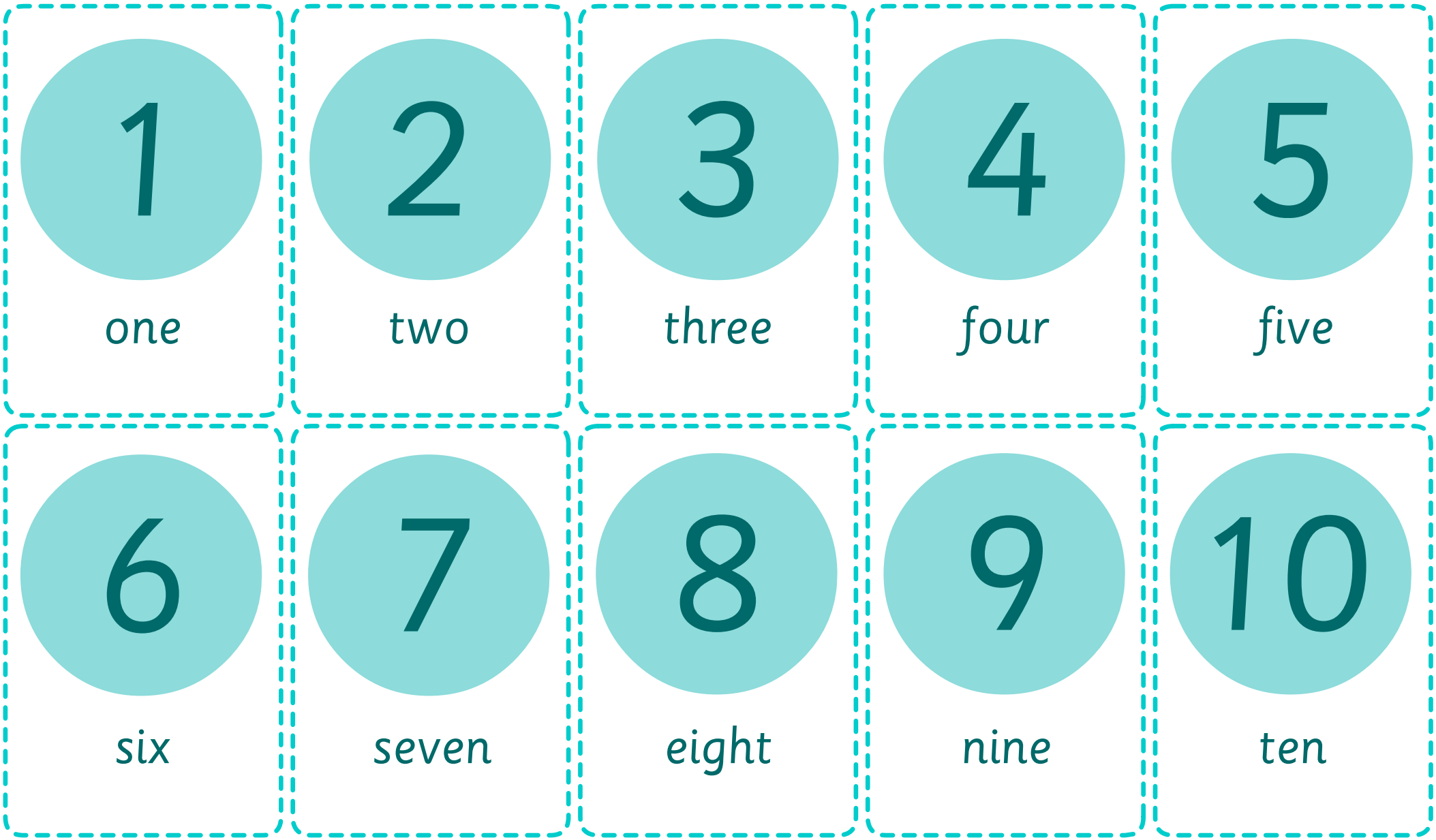

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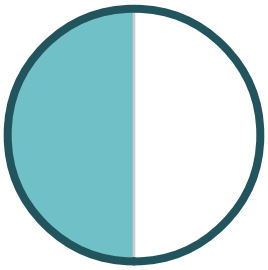
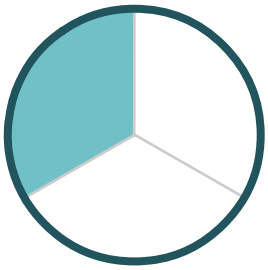


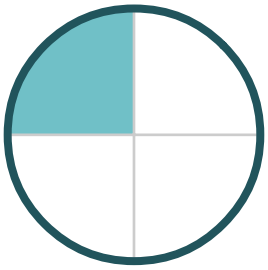
$\frac{1}{2}$

half



$\frac{1}{3}$

third



$\frac{1}{4}$

quarter or fourth

$\frac{1}{5}$

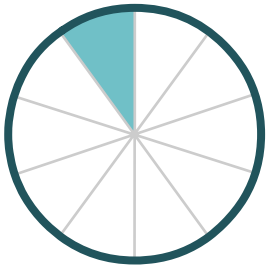
fifth

$\frac{1}{6}$

sixth

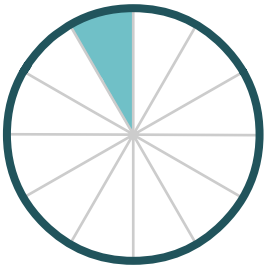
$\frac{1}{8}$

eighth



$\frac{1}{10}$

tenth



$\frac{1}{12}$

twelfth

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Addition Pyramid

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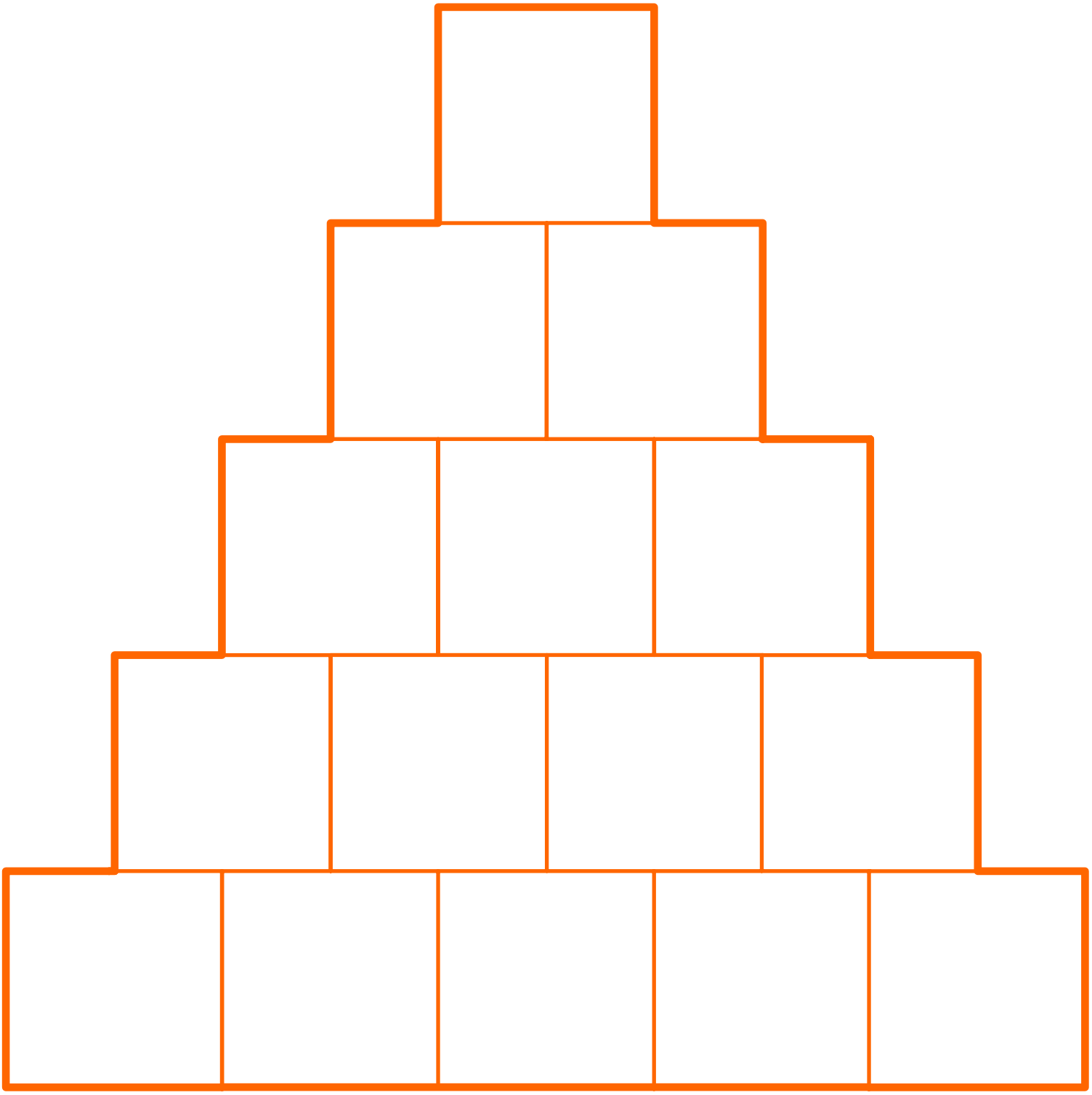

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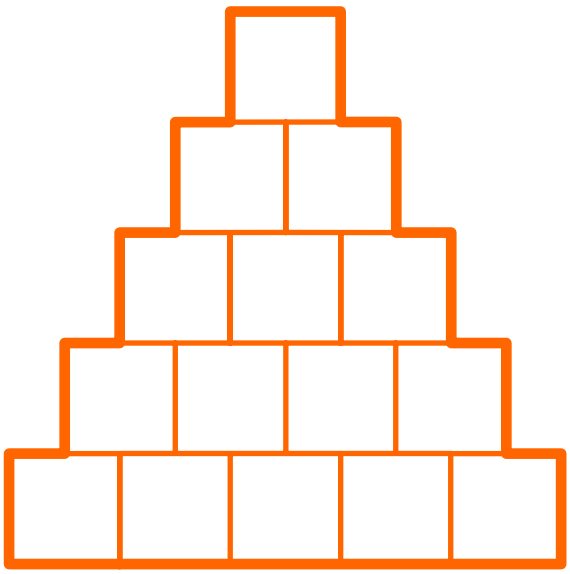
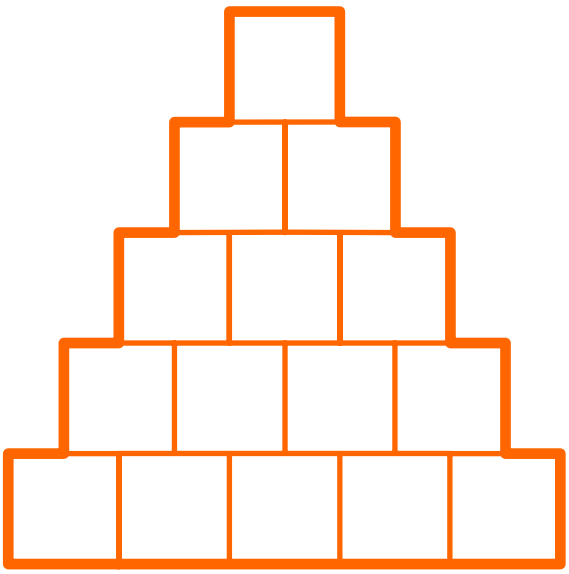
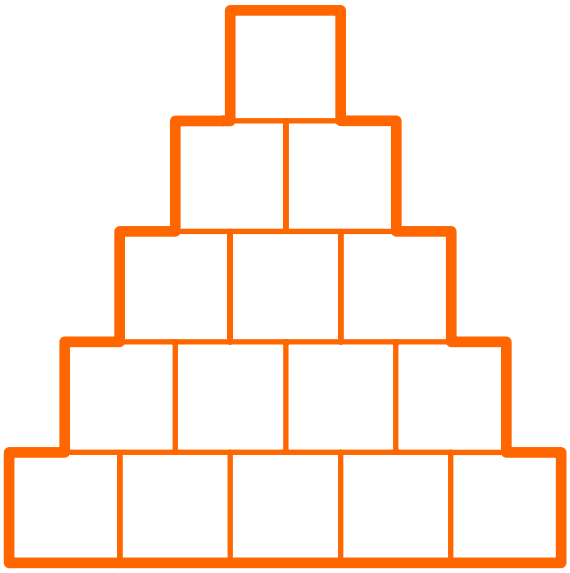
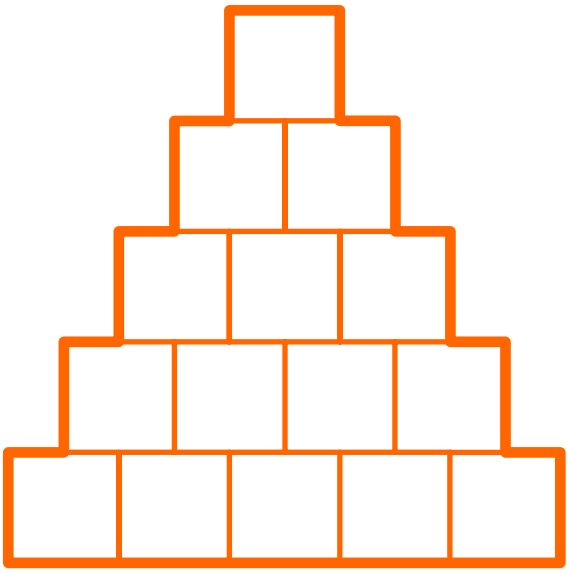
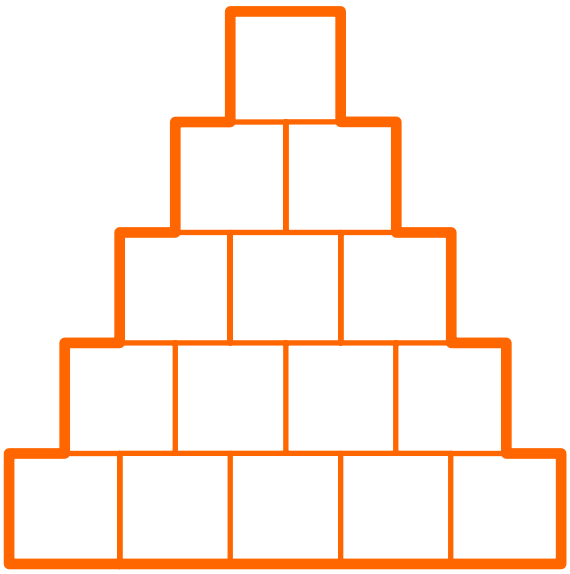
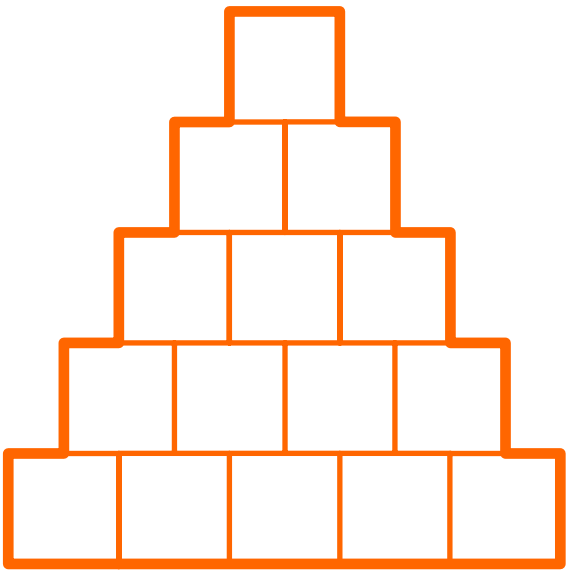

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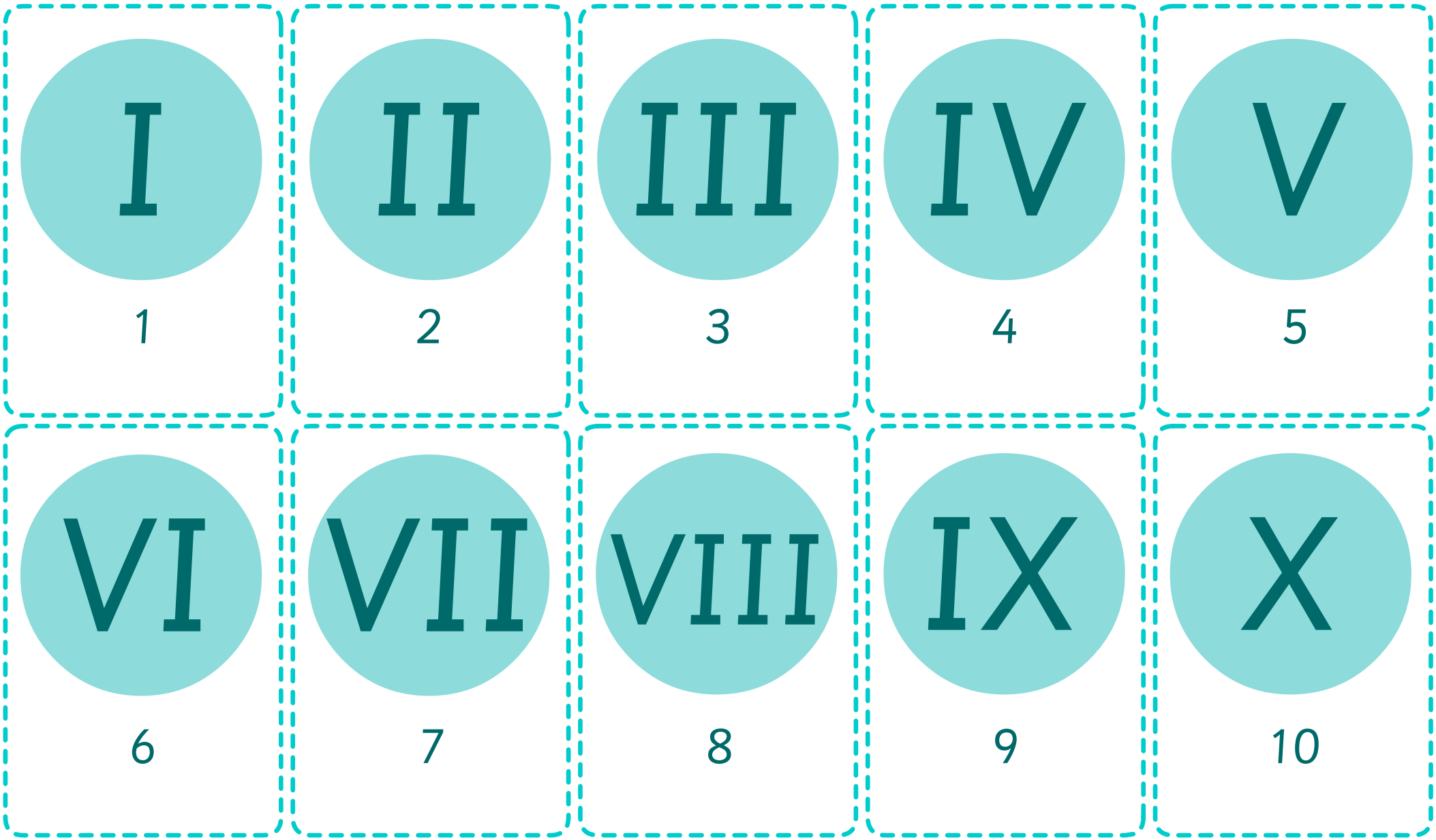

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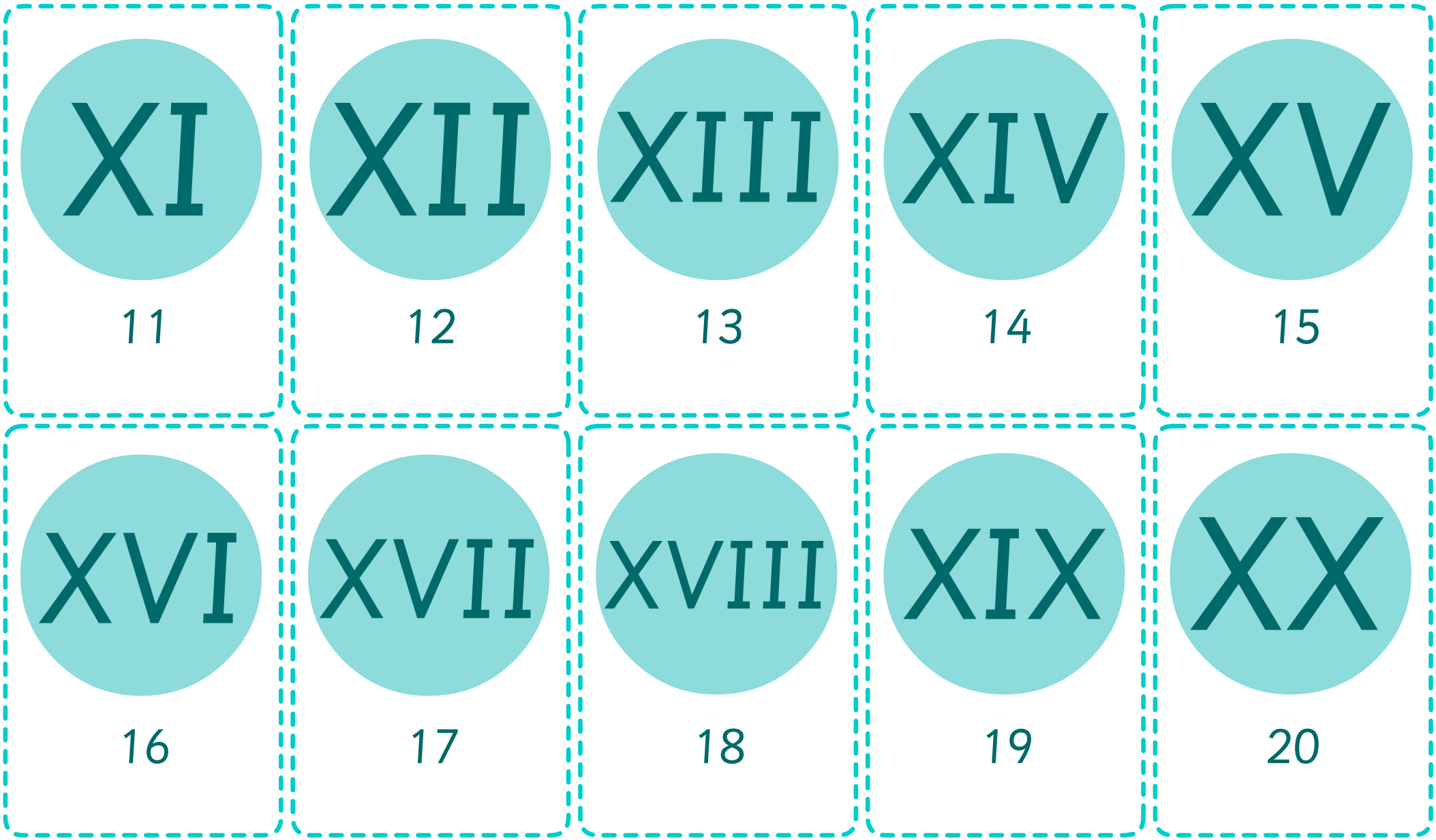

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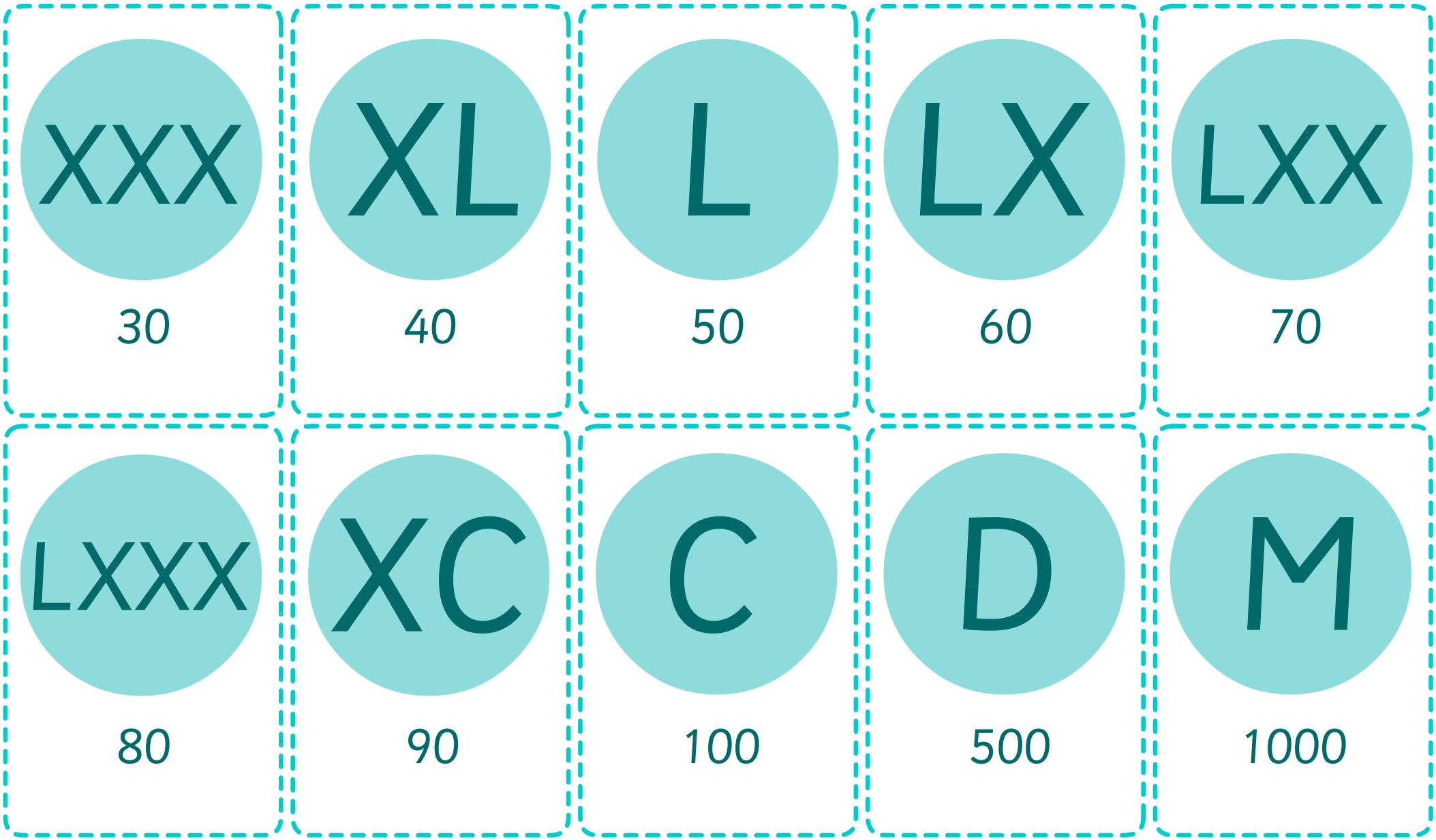

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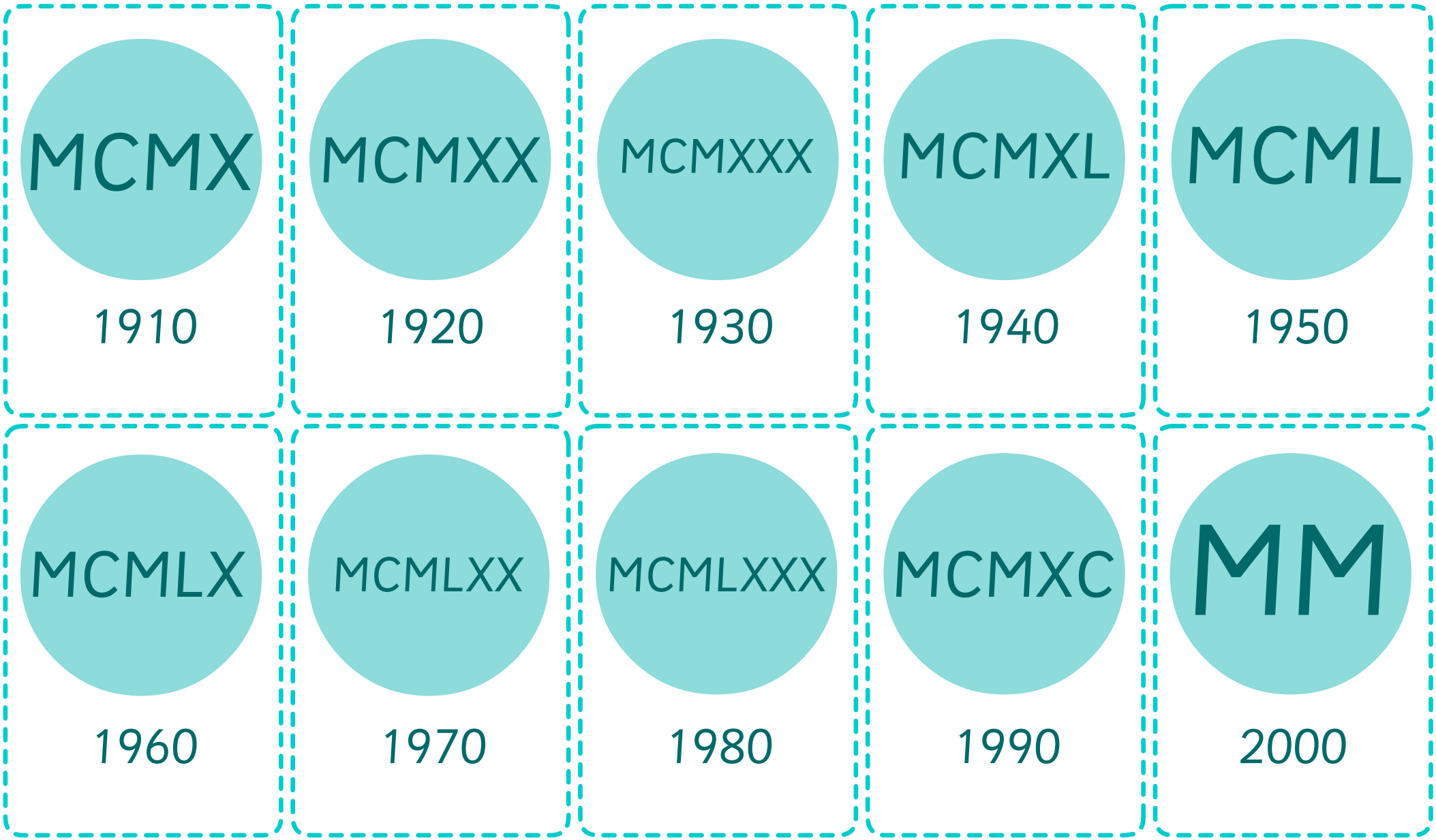

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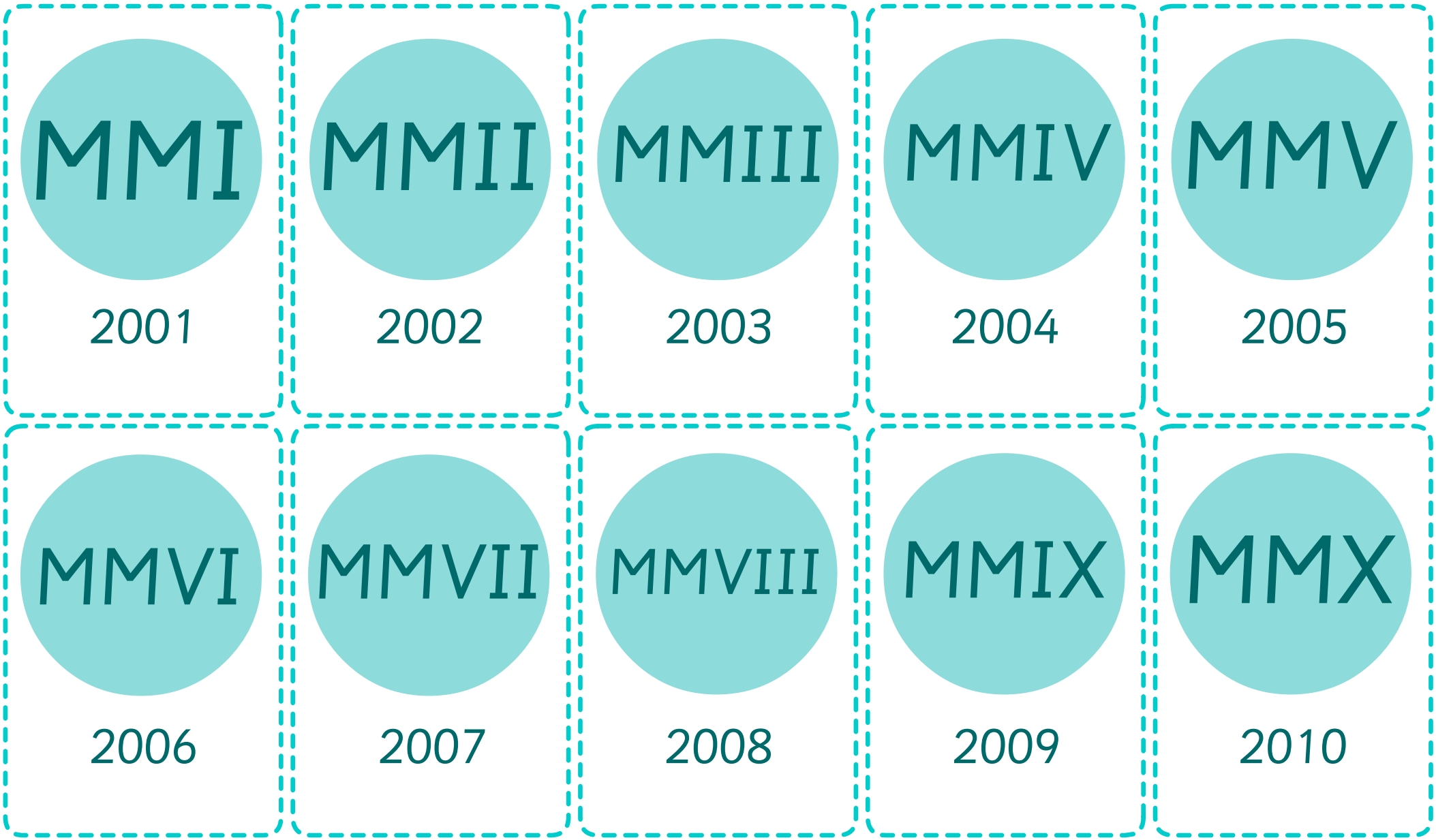

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Wall - Blank

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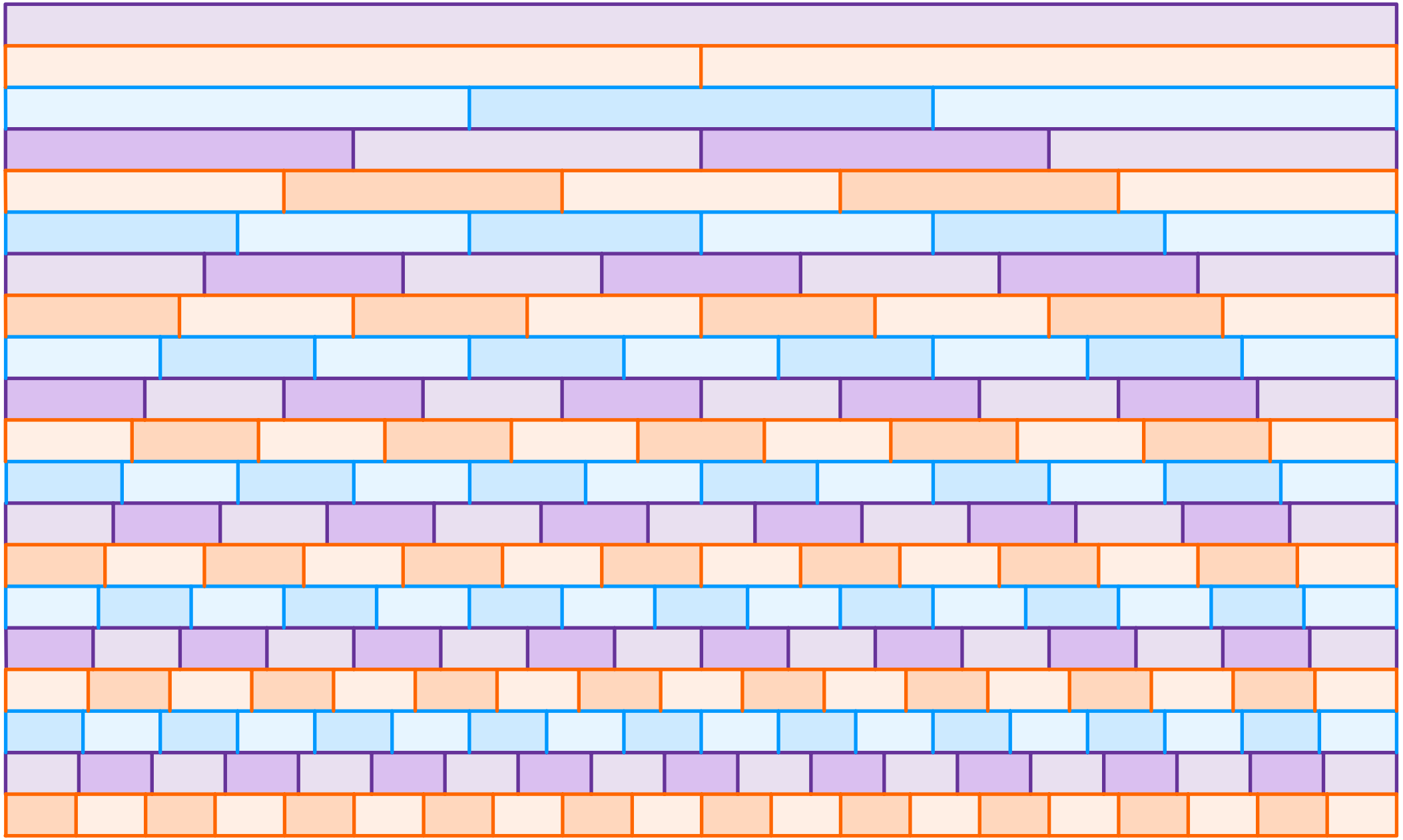

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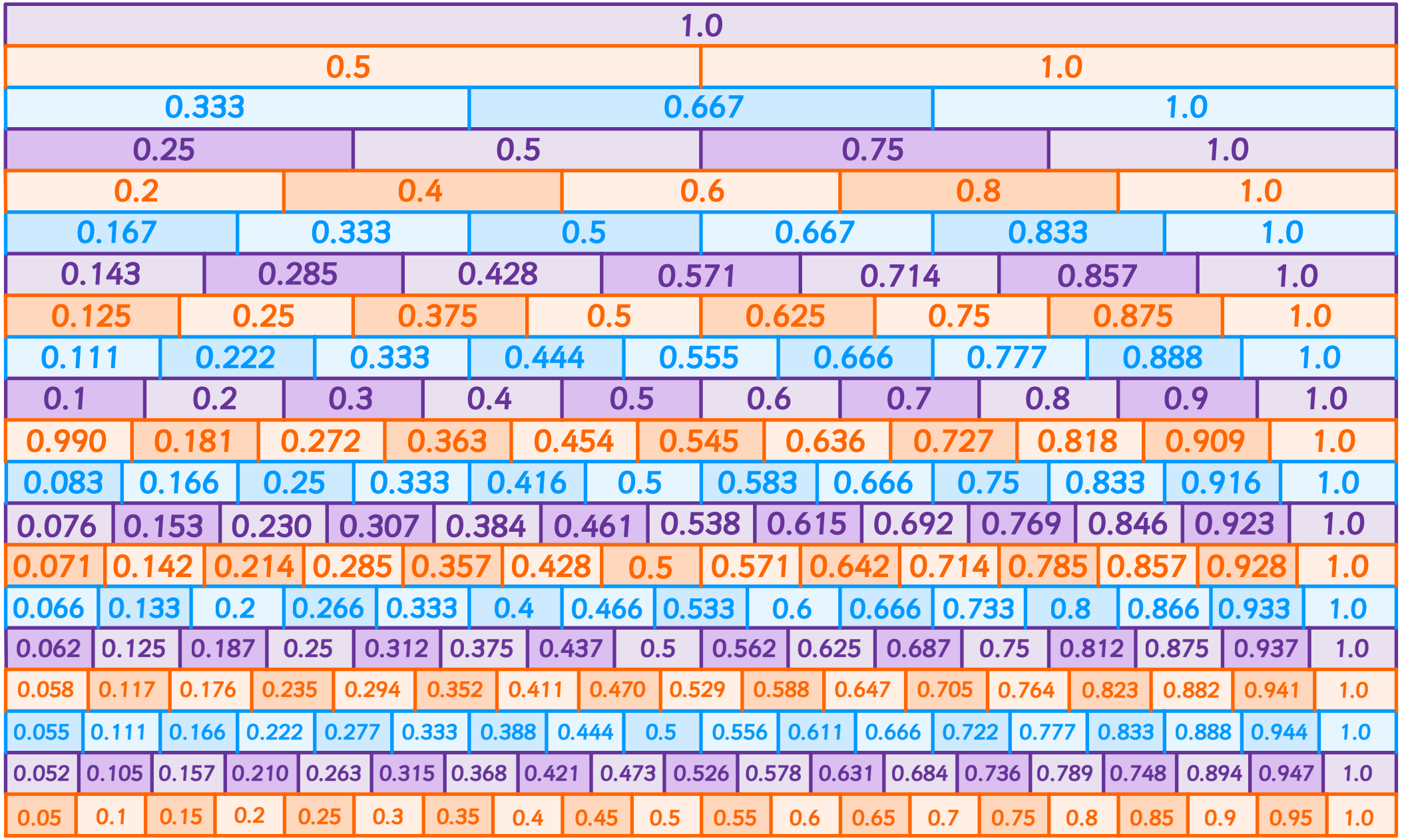

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Wall - Fraction

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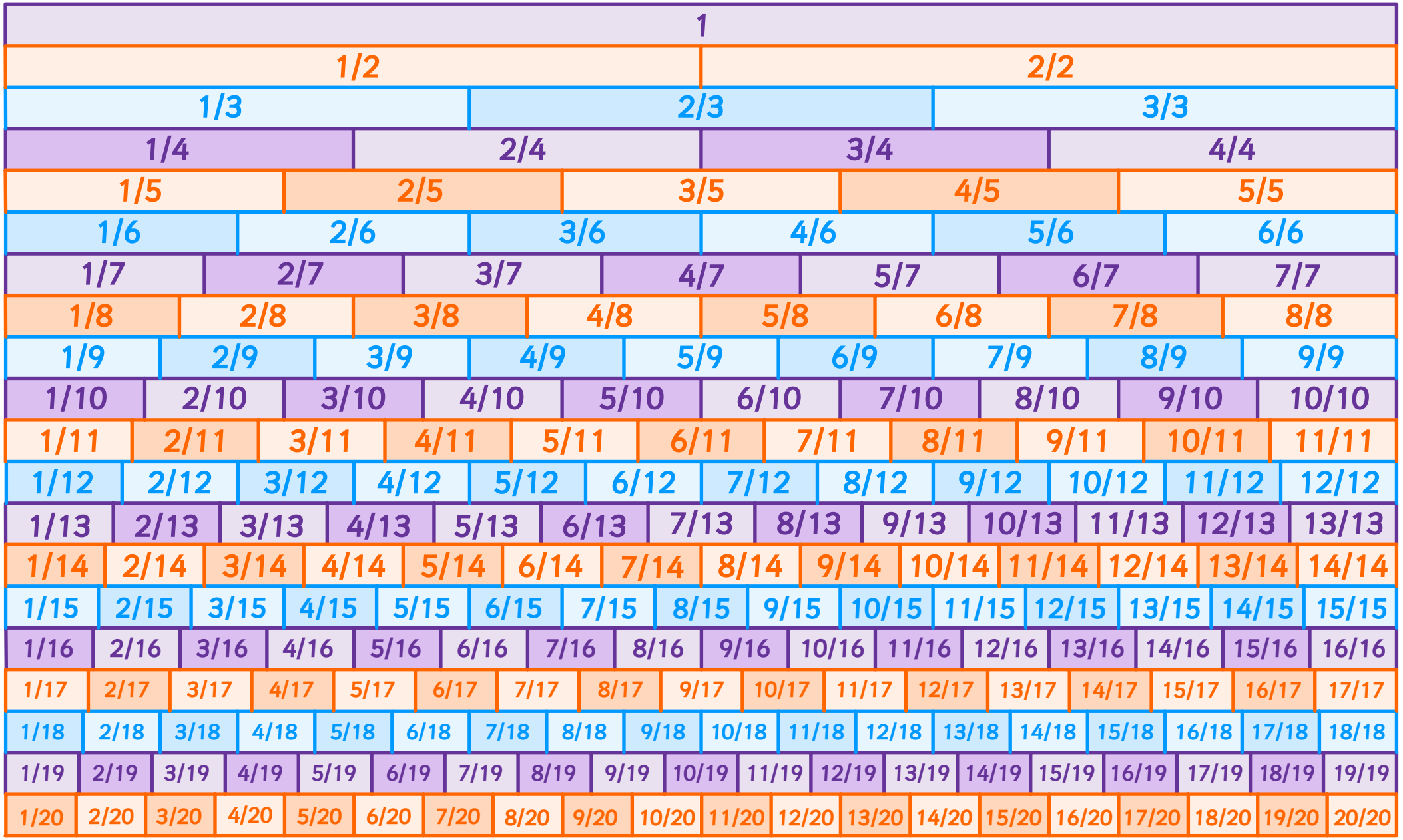

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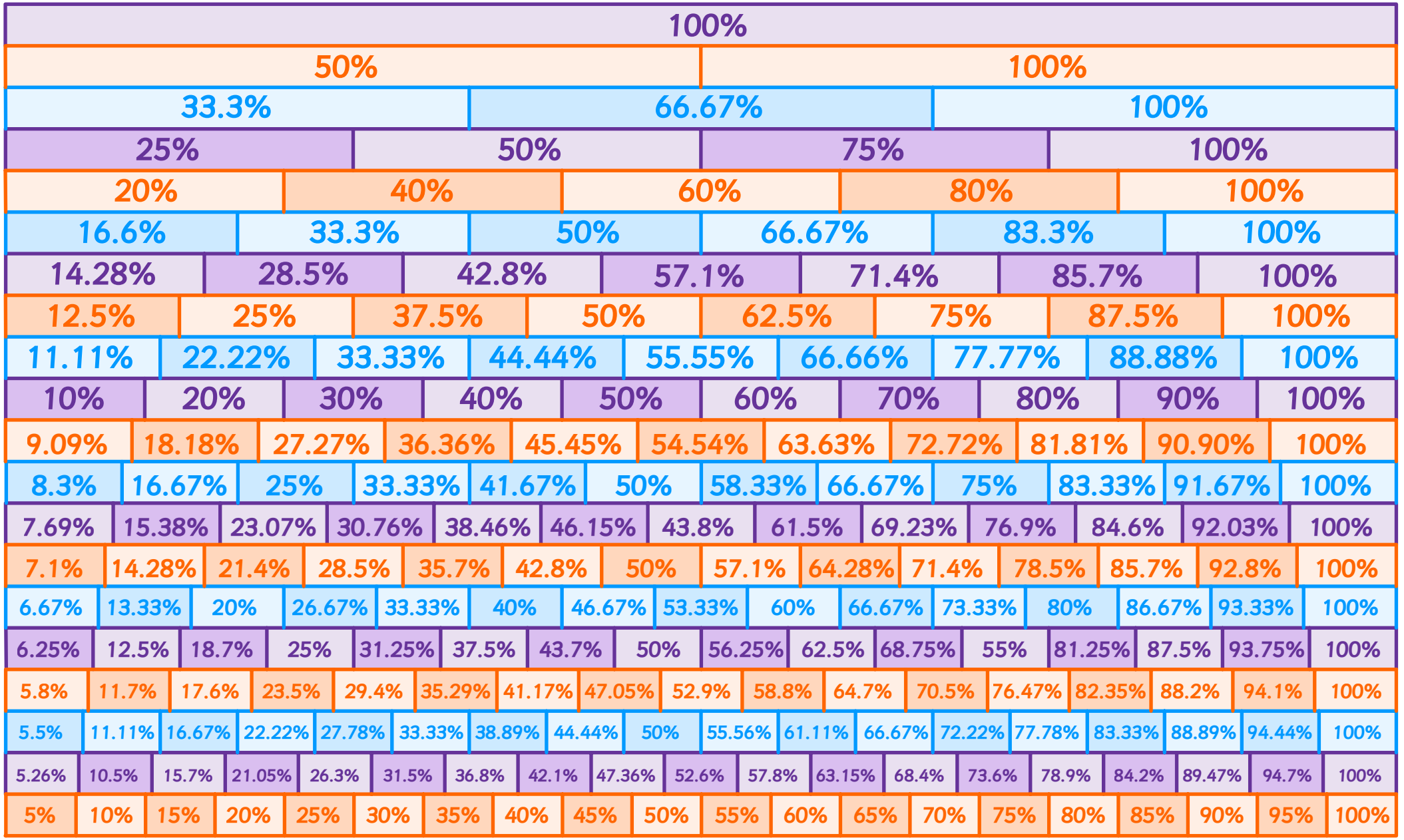

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Guided Reading Template

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Group:

Book Title:	Date:

Name:	Comments:

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Predict:

Clarify:

Ask Questions:

Summarize:

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Predict:

Question:

Clarify:

Summarize:

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Science Investigation Template

Teacher Resource

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Our Question:

Our Equipment:

Method: (What did we do?)

My Predictions: (What I think will happen)

Results: (What happened and why)

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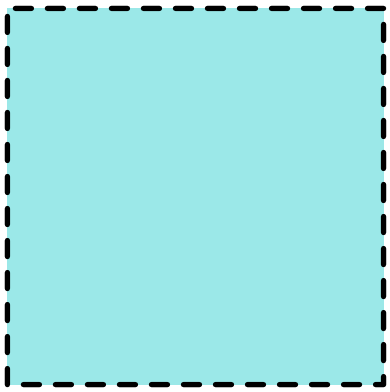
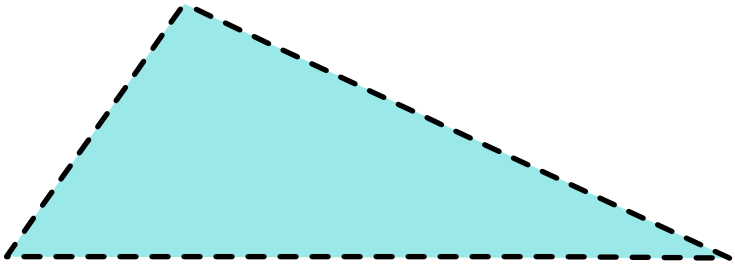
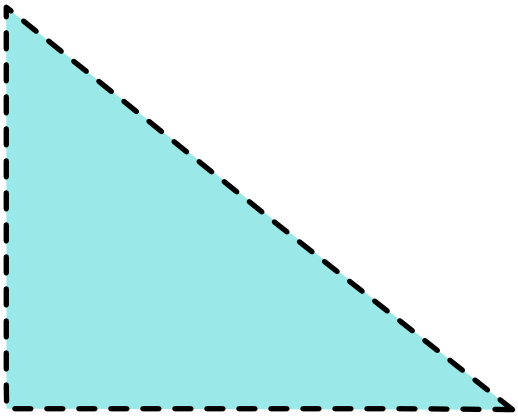


square

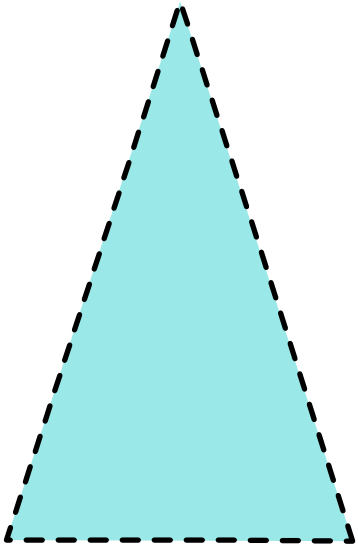
rectangle



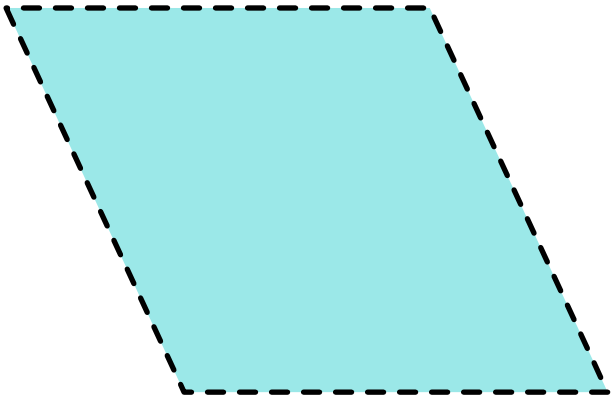
scalene triangle



right triangle



isosceles triangle



rhombus

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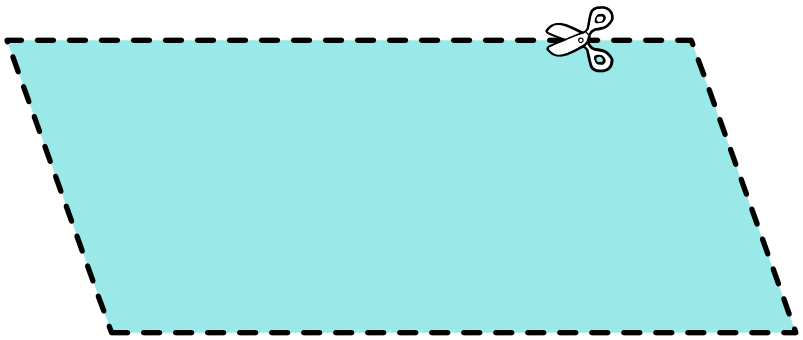
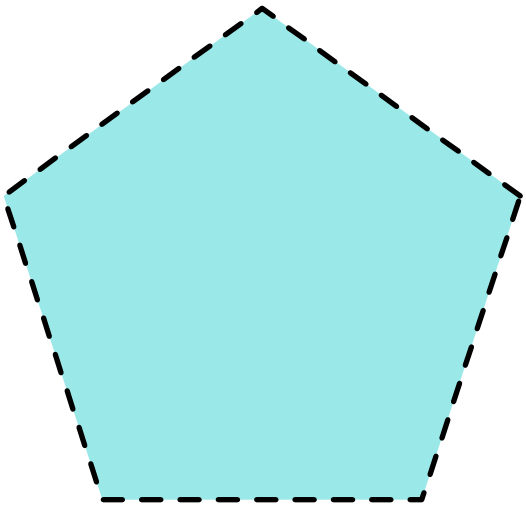
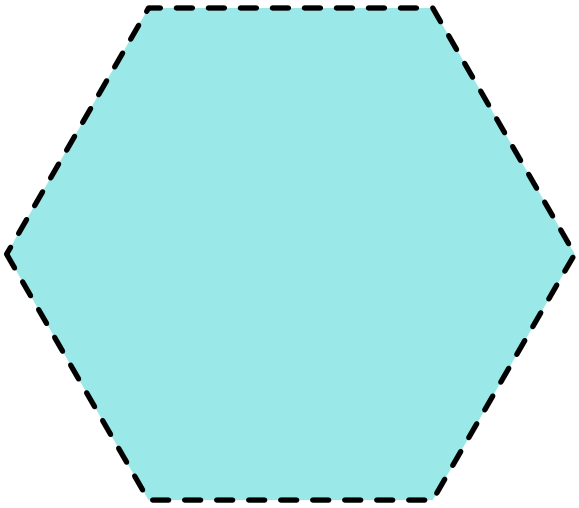


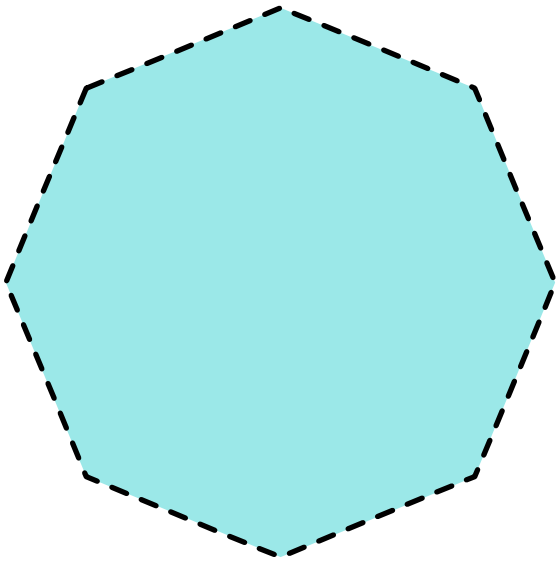
parallelogram



pentagon



hexagon



octagon

trapezoid

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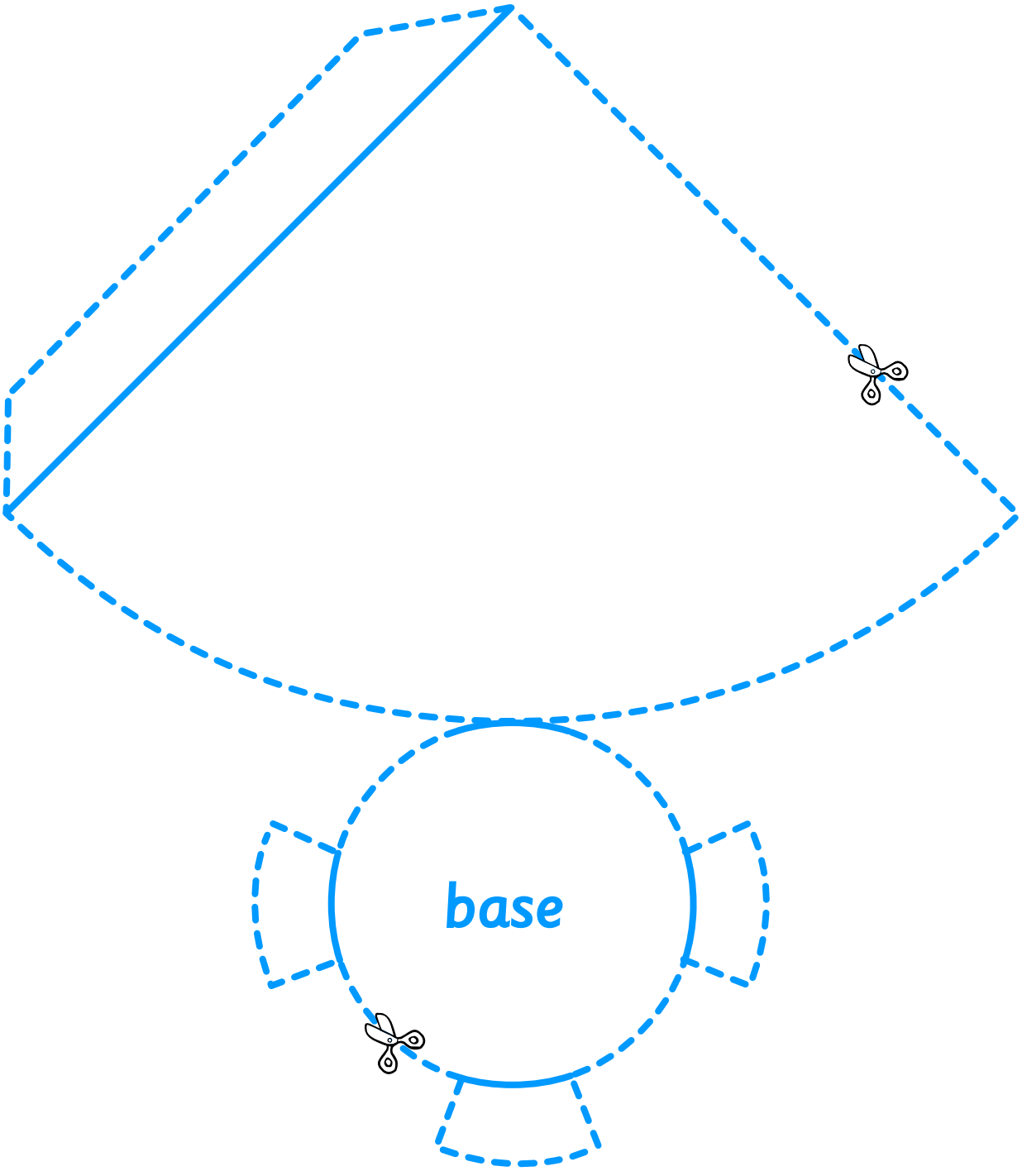

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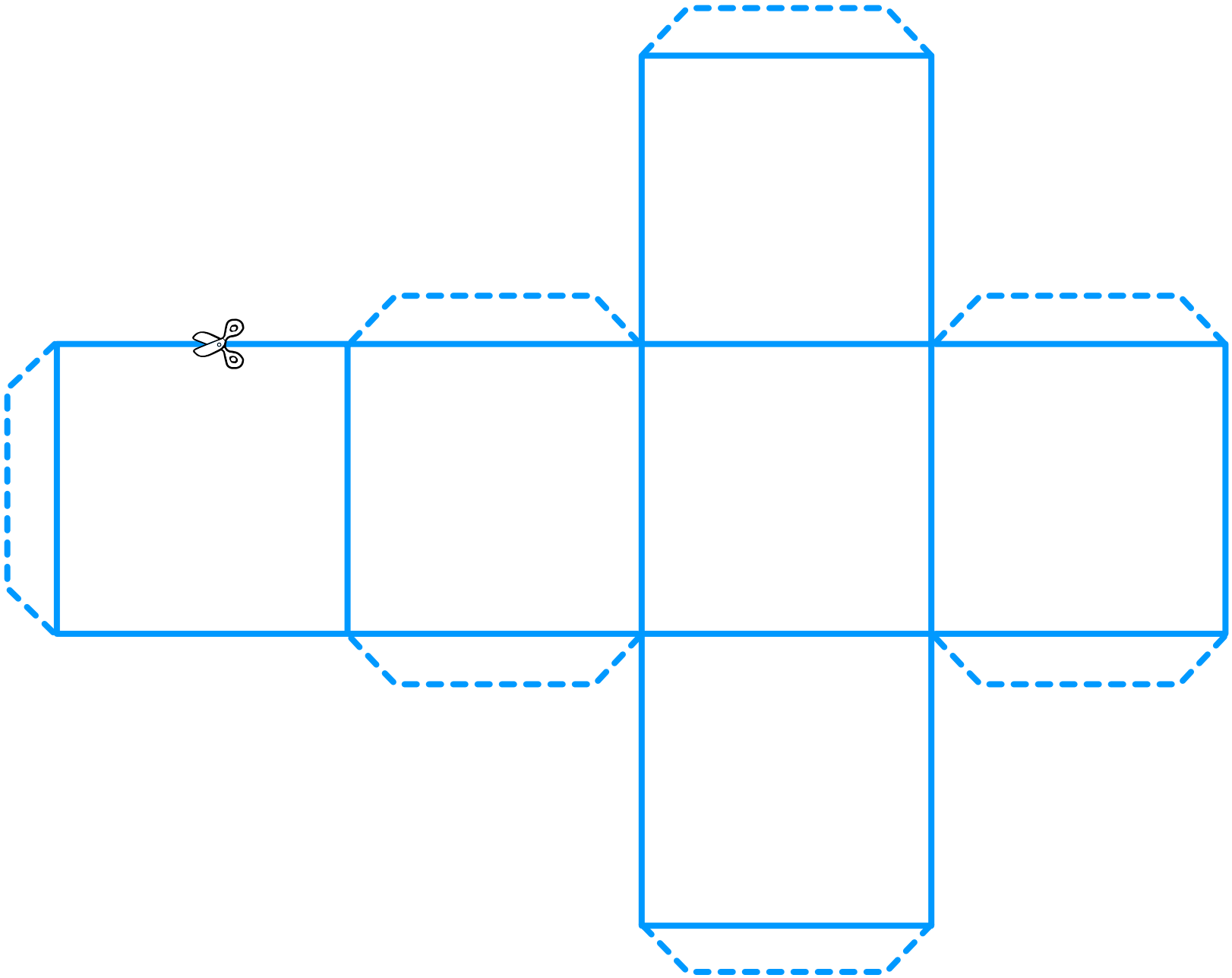

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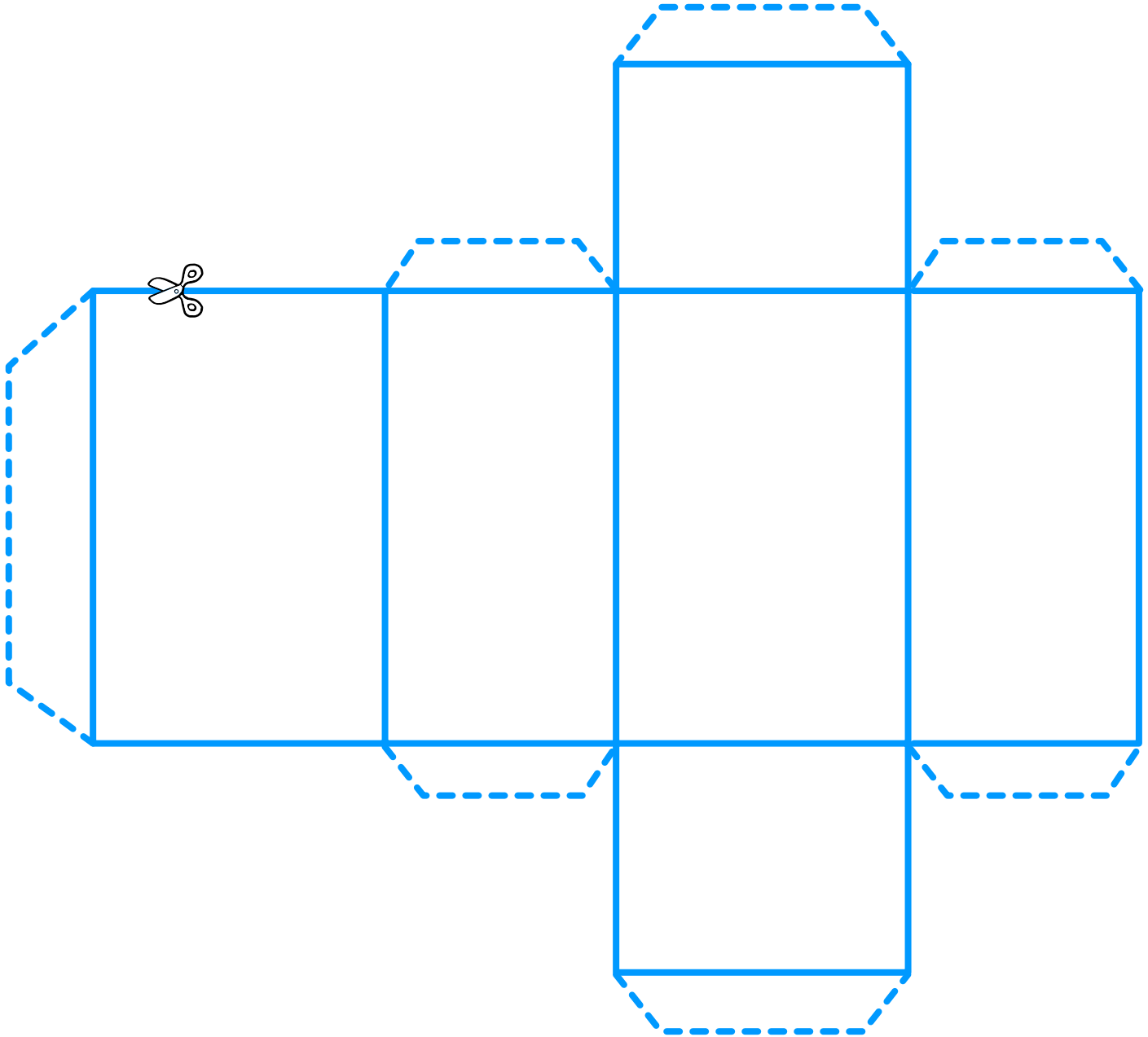

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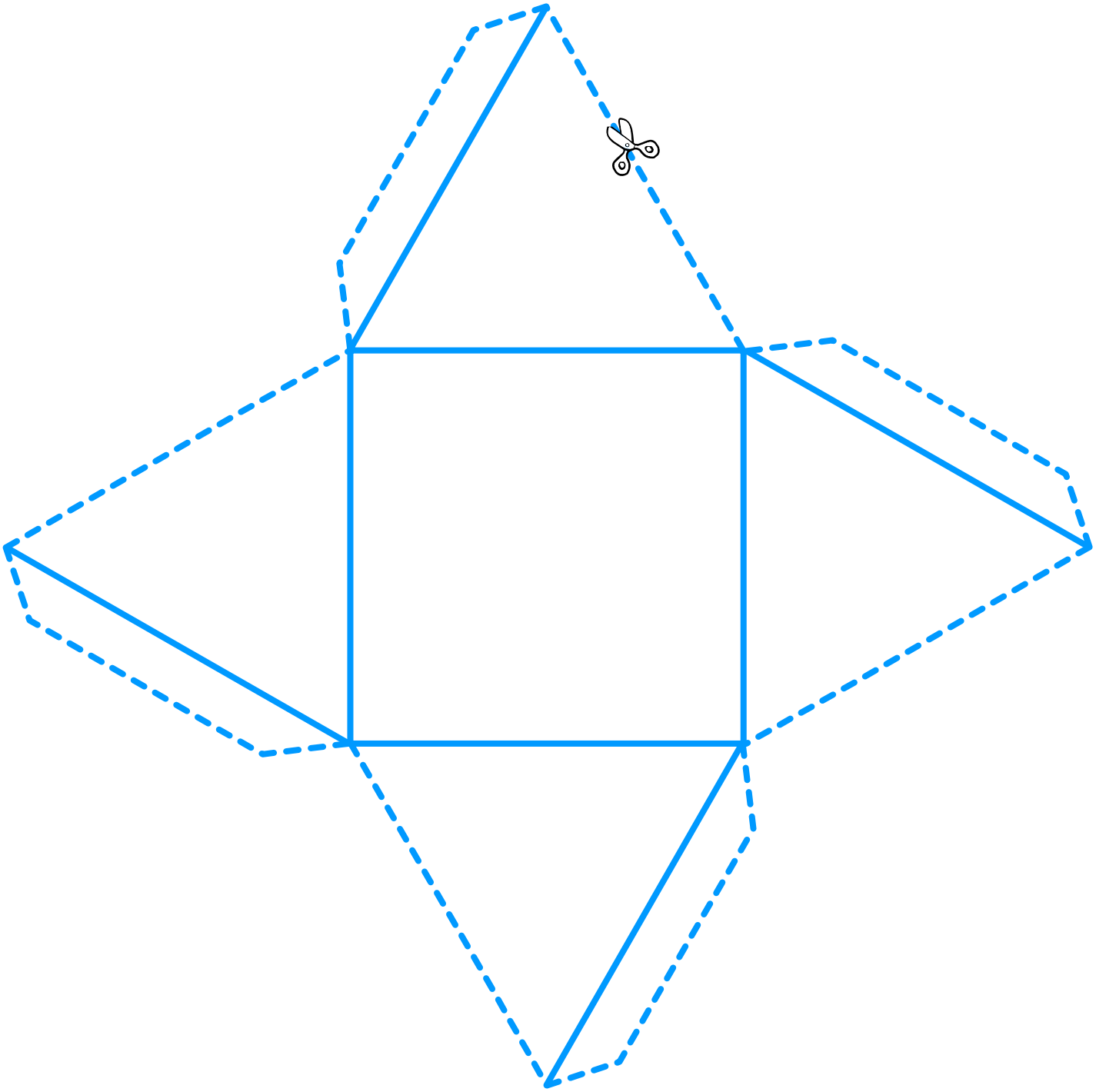

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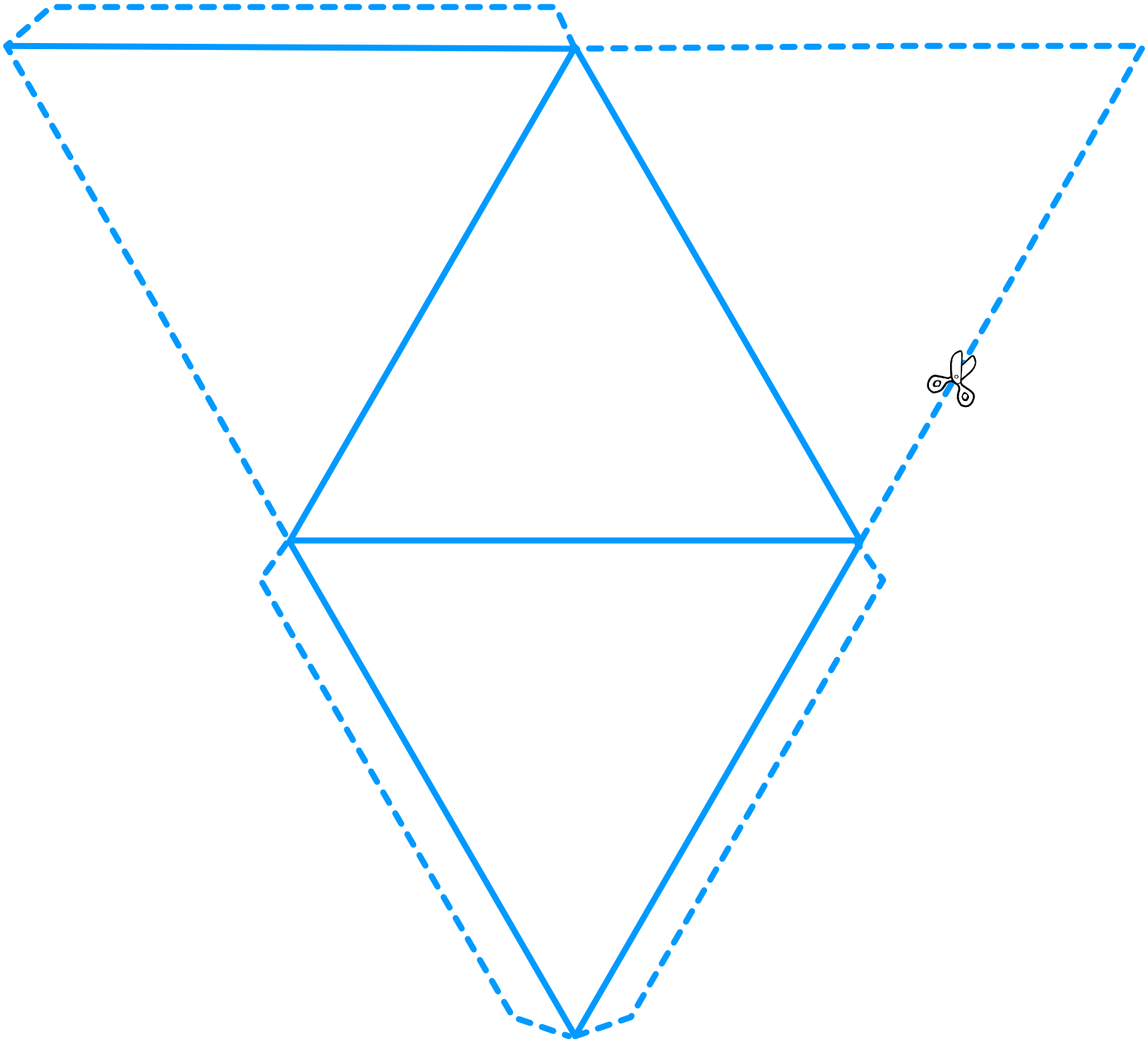

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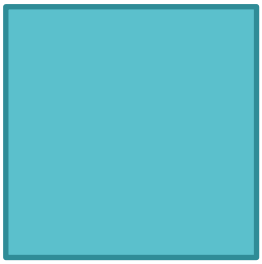
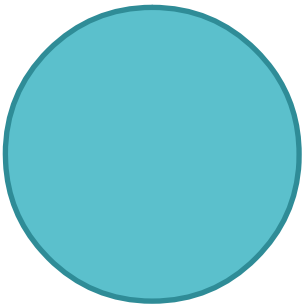
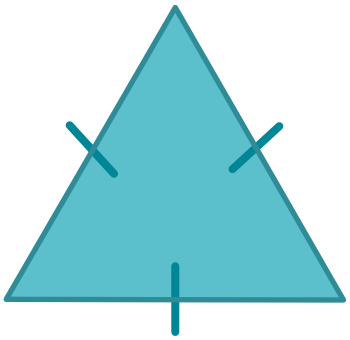


square

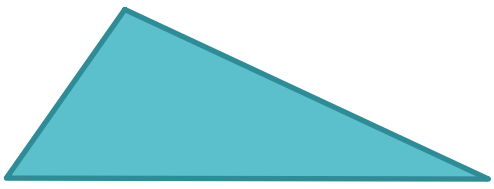
rectangle



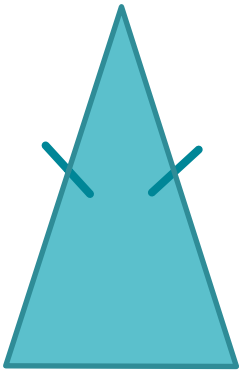
circle



equilateral triangle



scalene triangle



isosceles triangle

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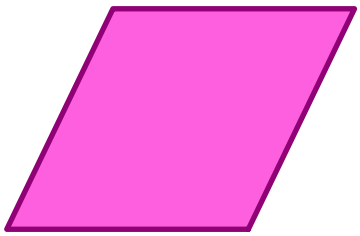
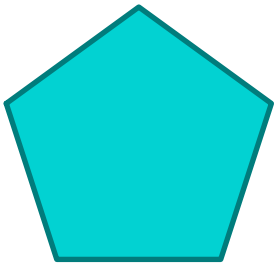


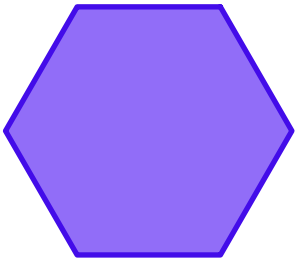
rhombus

parallelogram

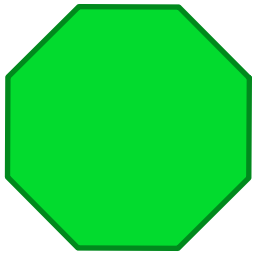
trapezoid



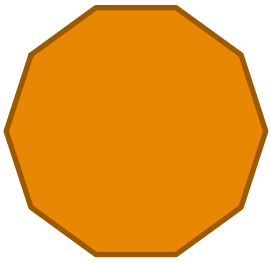
pentagon



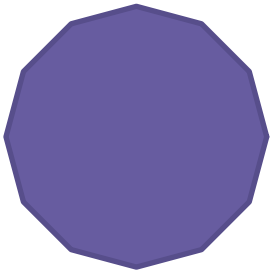
hexagon



octagon



decagon



dodecagon

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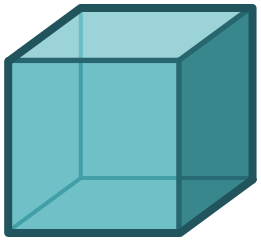
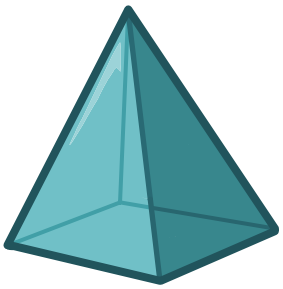
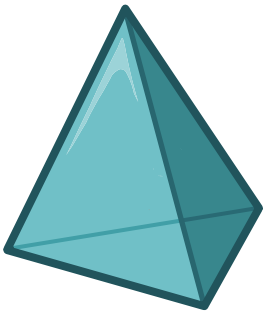


cube

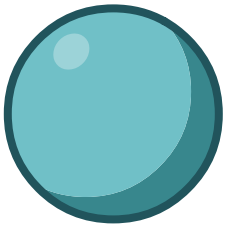
rectangular prism



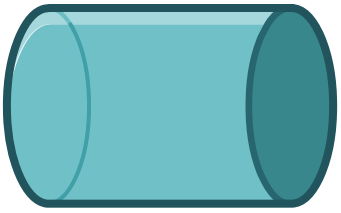
square pyramid



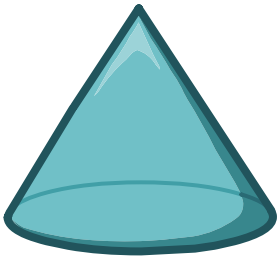
triangular pyramid



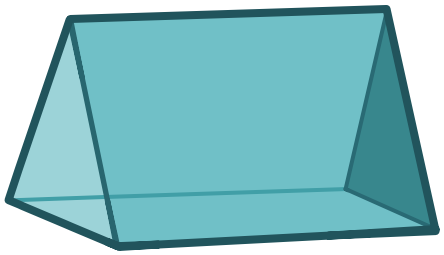
sphere



cylinder



cone



triangular prism

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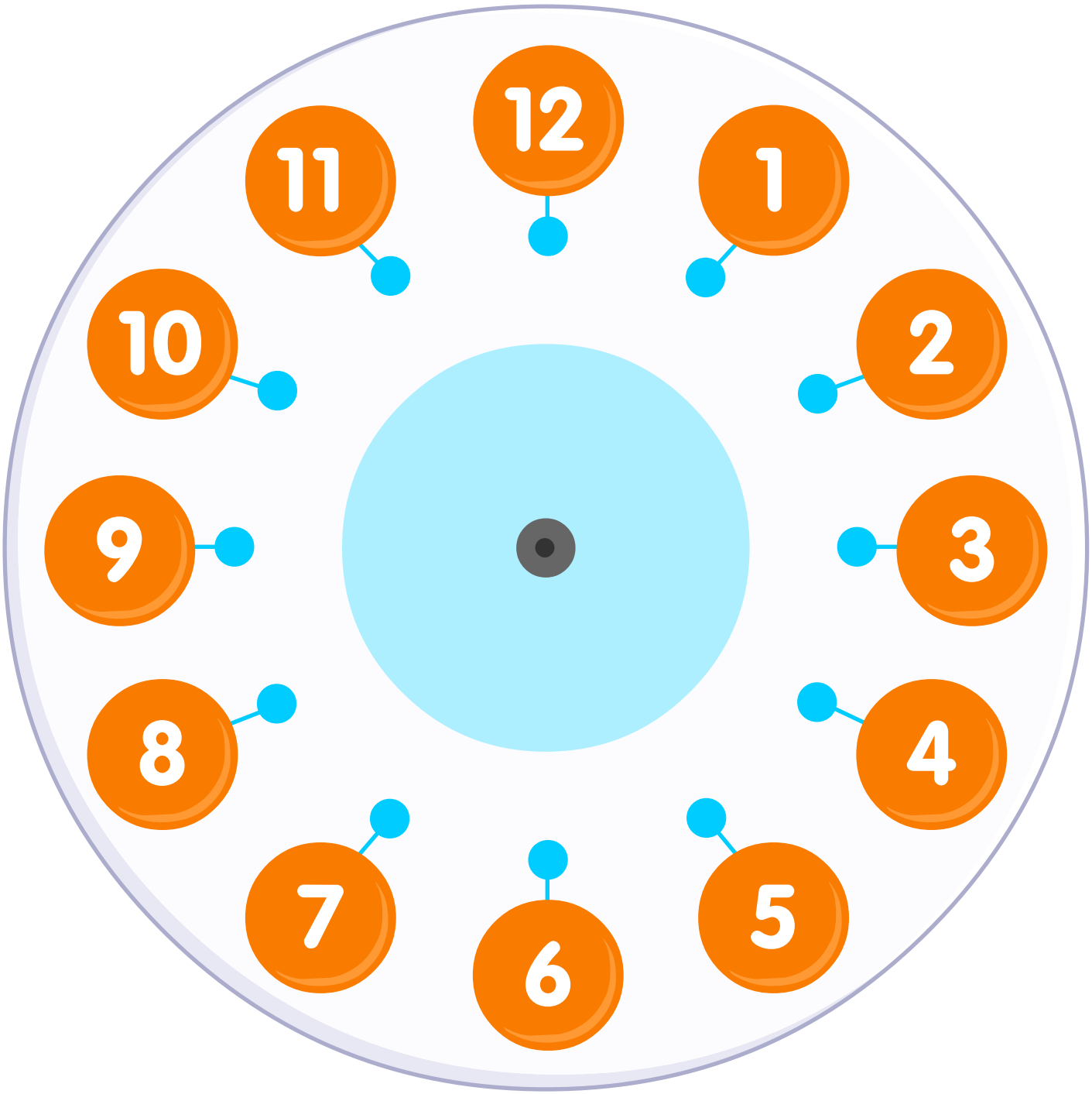

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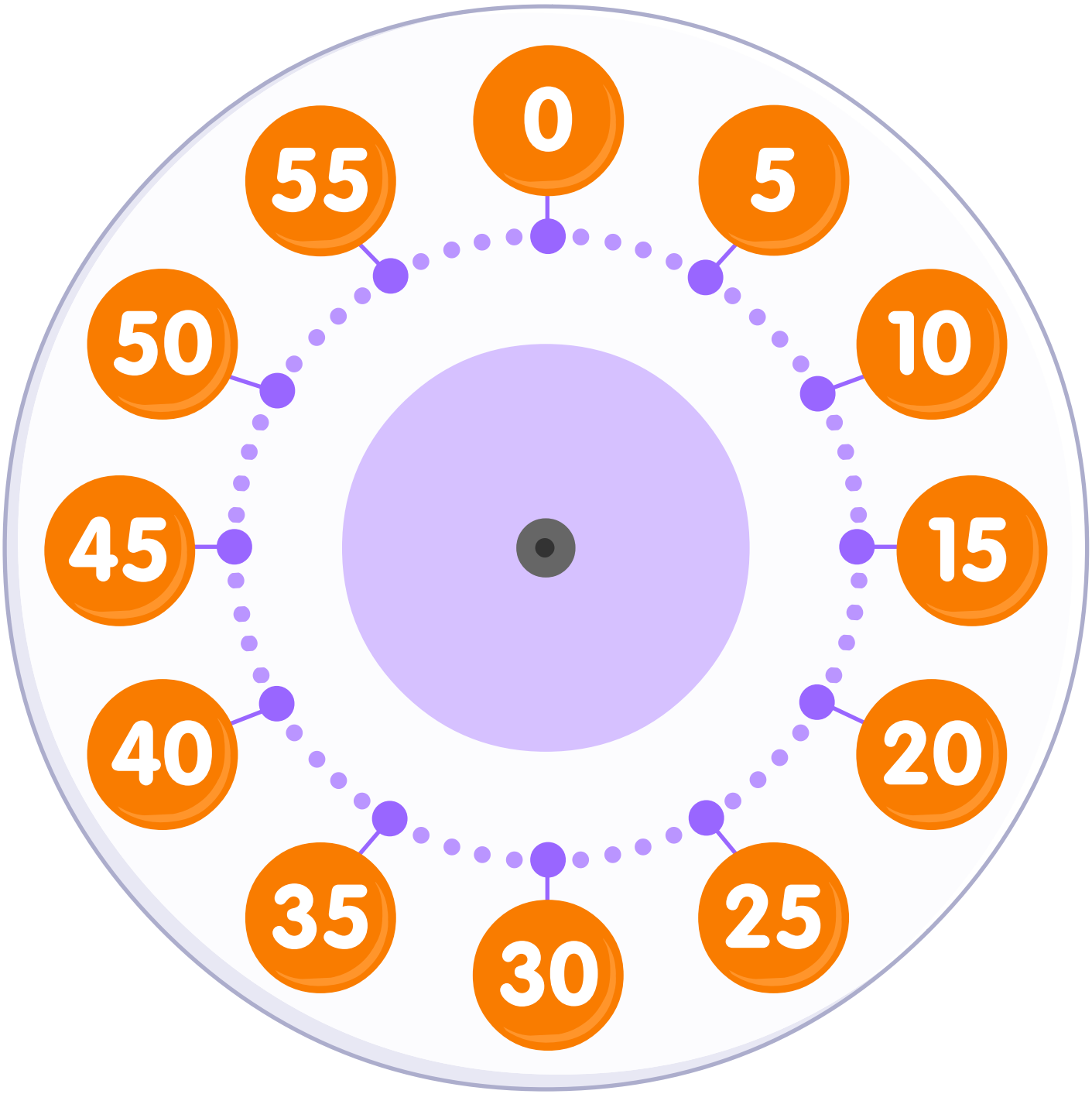

Minute hand

Hour hand

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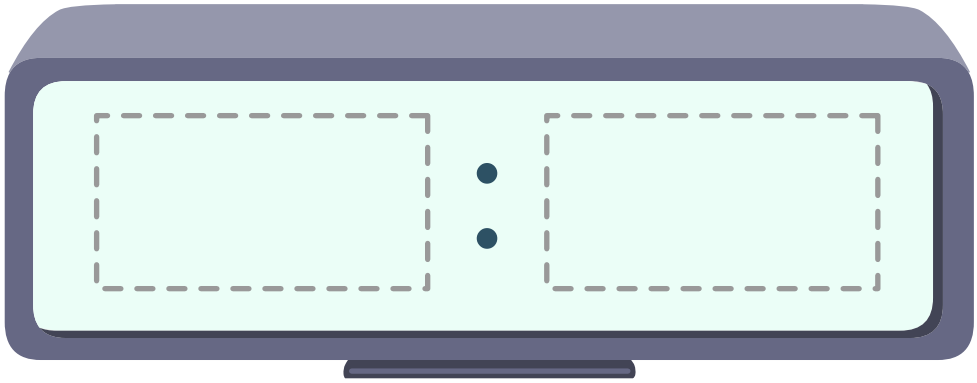

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
00	05	10	15
20	25	30	35
40	45	50	55

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0 x 1 = 0	0 x 2 = 0	0 x 3 = 0
1 x 1 = 1	1 x 2 = 2	1 x 3 = 3
2 x 1 = 2	2 x 2 = 4	2 x 3 = 6
3 x 1 = 3	3 x 2 = 6	3 x 3 = 9
4 x 1 = 4	4 x 2 = 8	4 x 3 = 12
5 x 1 = 5	5 x 2 = 10	5 x 3 = 15
6 x 1 = 6	6 x 2 = 12	6 x 3 = 18
7 x 1 = 7	7 x 2 = 14	7 x 3 = 21
8 x 1 = 8	8 x 2 = 16	8 x 3 = 24
9 x 1 = 9	9 x 2 = 18	9 x 3 = 27
10 x 1 = 10	10 x 2 = 20	10 x 3 = 30
11 x 1 = 11	11 x 2 = 22	11 x 3 = 33
12 x 1 = 12	12 x 2 = 24	12 x 3 = 36

0 x 4 = 0	0 x 5 = 0	0 x 6 = 0
1 x 4 = 4	1 x 5 = 5	1 x 6 = 6
2 x 4 = 8	2 x 5 = 10	2 x 6 = 12
3 x 4 = 12	3 x 5 = 15	3 x 6 = 18
4 x 4 = 16	4 x 5 = 20	4 x 6 = 24
5 x 4 = 20	5 x 5 = 25	5 x 6 = 30
6 x 4 = 24	6 x 5 = 30	6 x 6 = 36
7 x 4 = 28	7 x 5 = 35	7 x 6 = 42
8 x 4 = 32	8 x 5 = 40	8 x 6 = 48
9 x 4 = 36	9 x 5 = 45	9 x 6 = 54
10 x 4 = 40	10 x 5 = 50	10 x 6 = 60
11 x 4 = 44	11 x 5 = 55	11 x 6 = 66
12 x 4 = 48	12 x 5 = 60	12 x 6 = 72

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0 x 7 = 0	0 x 8 = 0	0 x 9 = 0
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2 x 7 = 14	2 x 8 = 16	2 x 9 = 18
3 x 7 = 21	3 x 8 = 24	3 x 9 = 27
4 x 7 = 28	4 x 8 = 32	4 x 9 = 36
5 x 7 = 35	5 x 8 = 40	5 x 9 = 45
6 x 7 = 42	6 x 8 = 48	6 x 9 = 54
7 x 7 = 49	7 x 8 = 56	7 x 9 = 63
8 x 7 = 56	8 x 8 = 64	8 x 9 = 72
9 x 7 = 63	9 x 8 = 72	9 x 9 = 81
10 x 7 = 70	10 x 8 = 80	10 x 9 = 90
11 x 7 = 77	11 x 8 = 88	11 x 9 = 99
12 x 7 = 84	12 x 8 = 96	12 x 9 = 108

0 x 10 = 0	0 x 11 = 0	0 x 12 = 0
1 x 10 = 10	1 x 11 = 11	1 x 12 = 12
2 x 10 = 20	2 x 11 = 22	2 x 12 = 24
3 x 10 = 30	3 x 11 = 33	3 x 12 = 36
4 x 10 = 40	4 x 11 = 44	4 x 12 = 48
5 x 10 = 50	5 x 11 = 55	5 x 12 = 60
6 x 10 = 60	6 x 11 = 66	6 x 12 = 72
7 x 10 = 70	7 x 11 = 77	7 x 12 = 84
8 x 10 = 80	8 x 11 = 88	8 x 12 = 96
9 x 10 = 90	9 x 11 = 99	9 x 12 = 108
10 x 10 = 100	10 x 11 = 110	10 x 12 = 120
11 x 10 = 110	11 x 11 = 121	11 x 12 = 132
12 x 10 = 120	12 x 11 = 132	12 x 12 = 144

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Who?

What?

When?

Where?

Why?

How?

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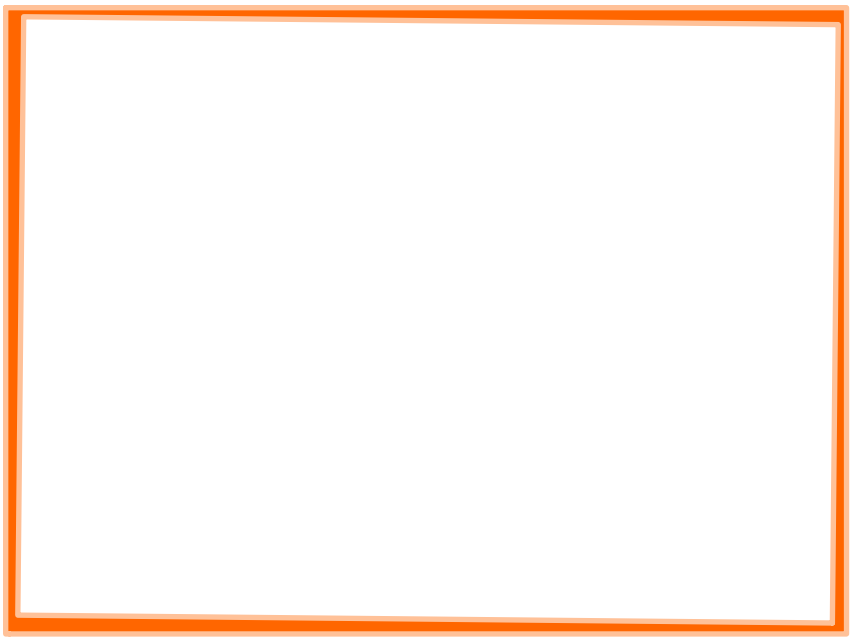
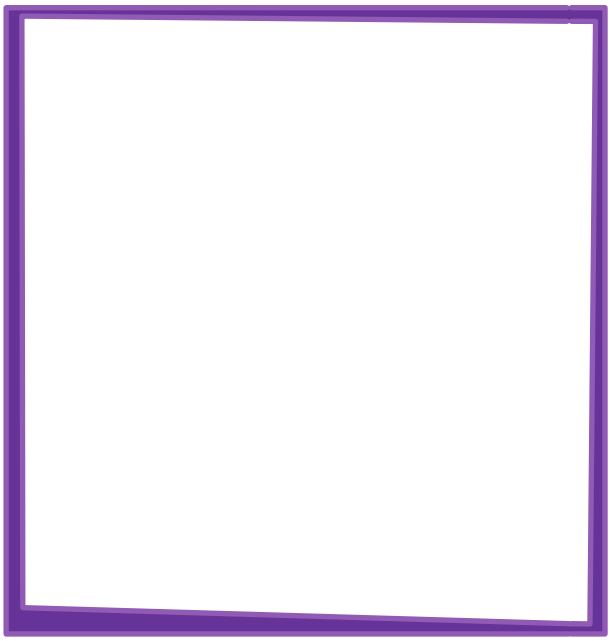
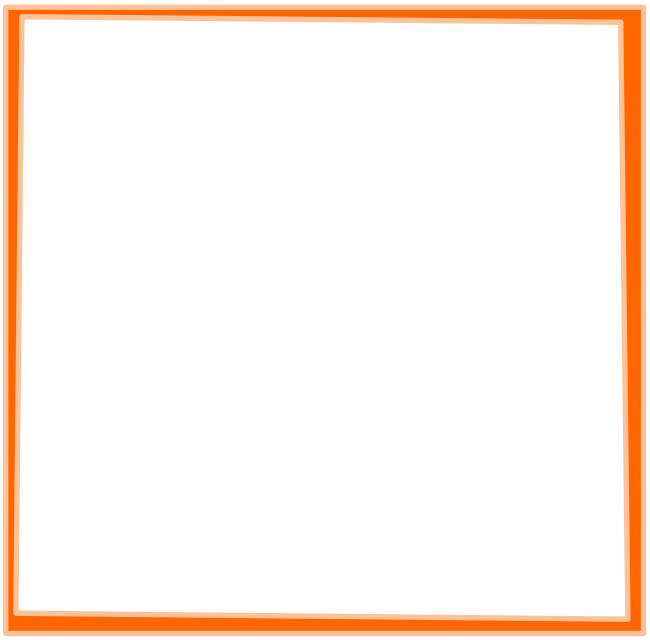
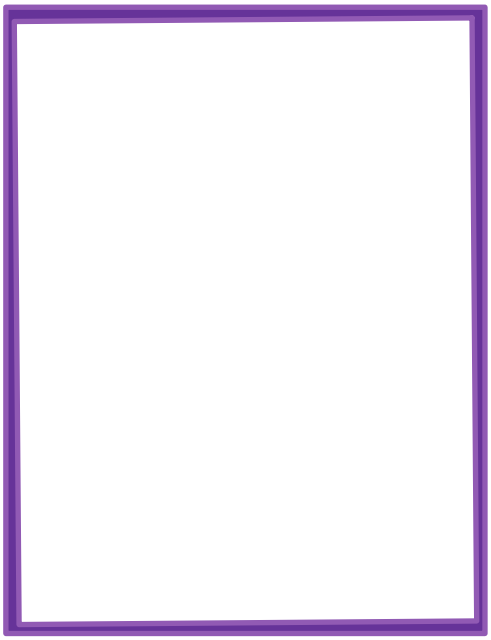
Comic Strip Template

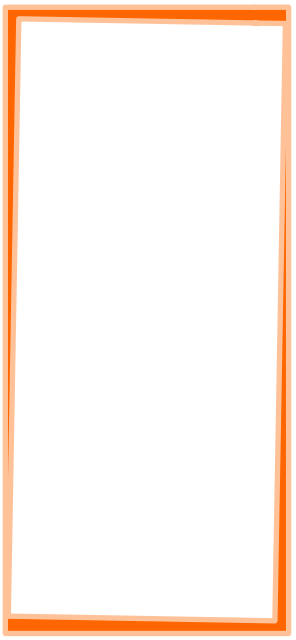
Teacher Resource

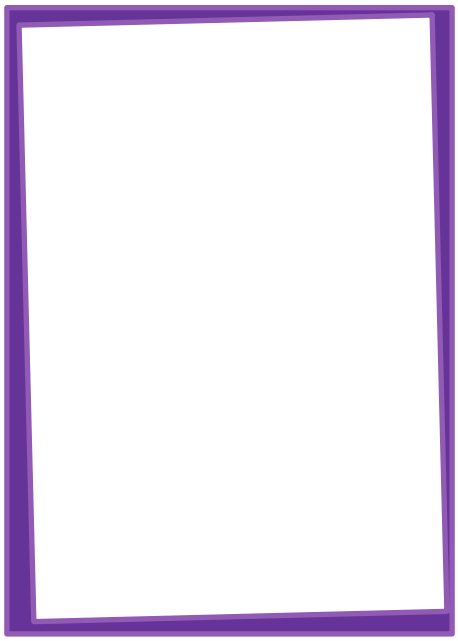


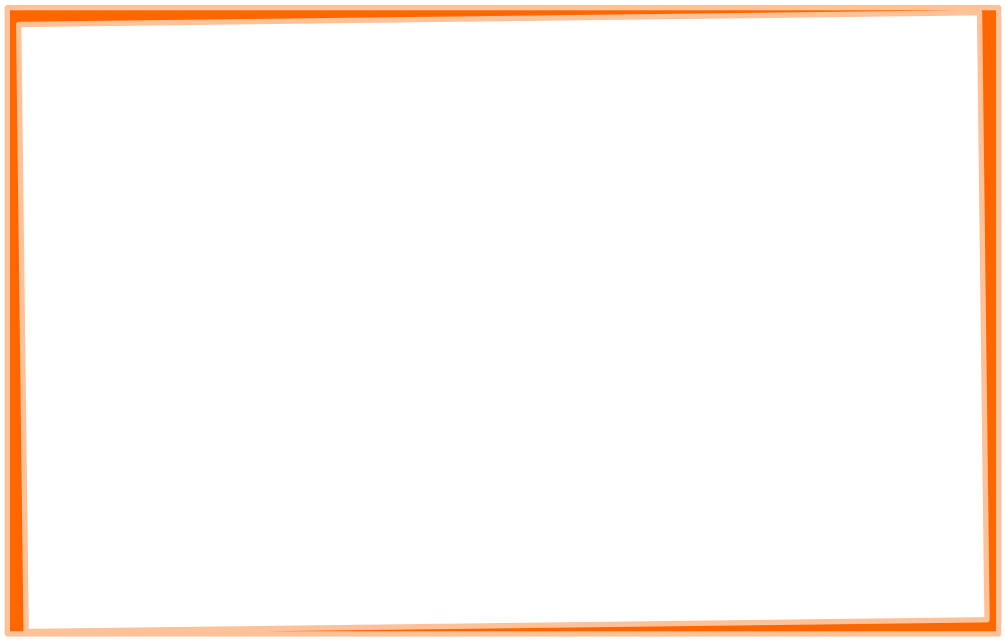












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Character 1	Differences	Character 2

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Character 1	Similarities	Character 2

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Word	Meaning	In a sentence

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Imagery Chart

Teacher Resource

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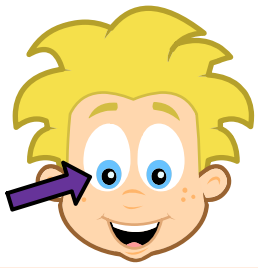
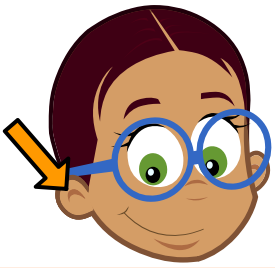
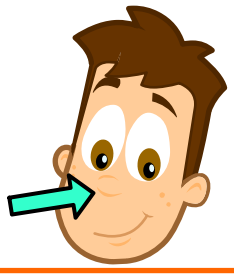
See	Hear	Smell	Touch	Taste
				

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Newspaper Report Template

Teacher Resource

Title:

Date:

Who:

When:

Where:

What:

Quote:

What might happen next:

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Name: _____ Class: _____ Date: _____

Words to Learn, Look Say, and Cover	#1 Write and Check	#2 Write and Check	#3 Write and Check	#4 Write and Check	✓

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Noun

A noun is a word that names a person, a place, a thing, or an idea.

Examples:
book, school, love

Adjective

An adjective is a word that describes a noun or a pronoun.

Examples:
blue, curly, shiny

Verb

A verb is a word that shows action or a state of being.

Examples:
run, jump, is

Adverb

An adverb is a word that describes a verb, an adjective, or other adverb.

Examples:
quickly, bright, quietly

Preposition

A preposition is a word that shows position or direction.

Examples:
near, under, above

Pronoun

A pronoun is a word used in place of a noun.

Examples:
I, me, he, she, herself, you, it, that, they

Conjunction

A conjunction is a word that connects individual words or groups of words.

Examples:
and, but, or

Interjection

An interjection is a word or phrase that expresses strong emotion.

Examples:
Oh! Wow! Hey!

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Period

.

A full stop is used to mark the end of a sentence.

The Mississippi is the longest river in the United States.

Use a period after an initial in a person's name.

George W. Bush J.K. Rowling

Use a period after each part of an abbreviation.

Dr. U.S.A.

Use a period as a decimal point and to separate dollars and cents.

It is 98.9 degrees outside. Lunch costs $2.75.

Comma

,

A comma is used to separate three or more items in a row.

Granny needs to buy bread, cheese, milk, apples and pears

Use a comma to separate two or more adjectives that equally modify a noun.

Chip wears a pair of big, round glasses.

Use a comma between two independent clauses that are joined by "and," "but," "or," "nor," "for," "so" and "yet."

Emma ate all of her dinner, and then she had some dessert.

Apostrophe

'

An apostrophe is used to show possession.

I played at Leo's house.

Use an apostrophe to form contractions.

I'm - I am
she'll - she will
doesn't - does not

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Quotation Marks

“ ”

Quotation marks are used to enclose the exact words of a speaker.

“Are you going to the football game tonight?” asked Dan.

They are also used to set apart a word that is being discussed.

What does the teacher mean by “maybe?”

Exclamation Point

!

An exclamation point is used to express strong feeling.

Ouch! Wait for me!

Question Mark

?

A question mark is used at the end of a question.

What are you doing during the summer holiday?

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Colon

:

A colon is used to introduce a list.

Meg needed a few parts for her computer: speakers, a mouse, and a keyboard.

Use a colon between the parts of a number to show time.

Manu will get here at 2:45.

Semicolon

;

A semicolon can be used to join two independent clauses when there is no coordinating conjunction between them.

Manu has a new microscope; I hope he lets me use it.

Hyphen

-

A hyphen is used to link words and part of words.

It is used in compound words.

accident-prone, custom-built, bad-tempered

It is used to join prefixes to other words.

co-own, re-cover

It is used to show breaks in words.

five-, six- and seven year old children

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Parentheses

Parentheses are used around words included in a sentence to add information.

Angel Falls (in Venezuela) is the highest waterfall in the world.

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Word:

Synonyms	

Word:

Synonyms	

Word:

Synonyms	

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Word:

Antonyms	

Word:

Antonyms	

Word:

Antonyms	

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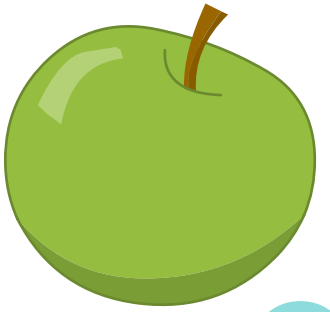
A a



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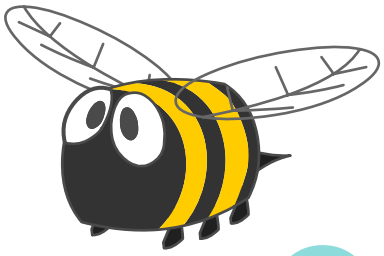

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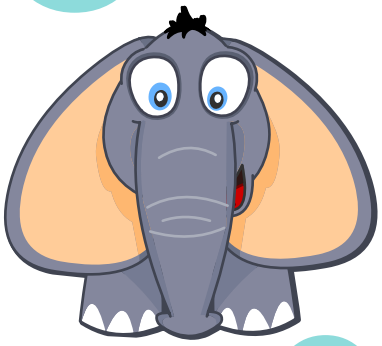
D d

E e



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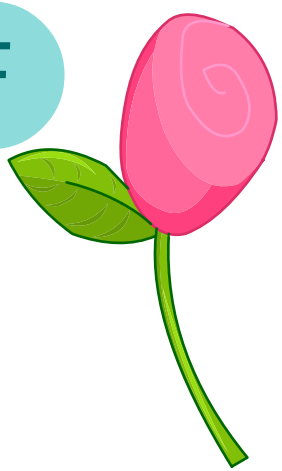
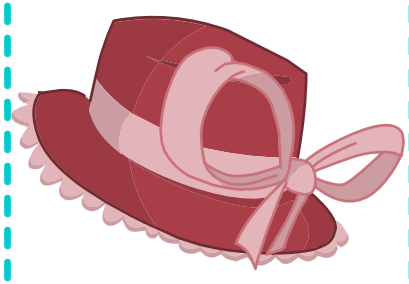


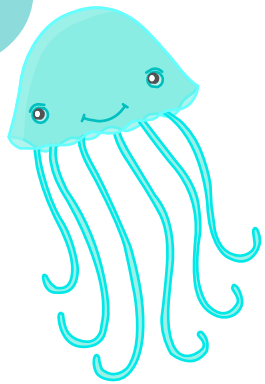
G g

H h



I i

J j



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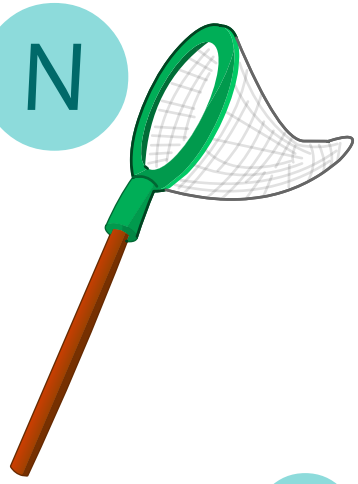
K k

L l

M m

N n



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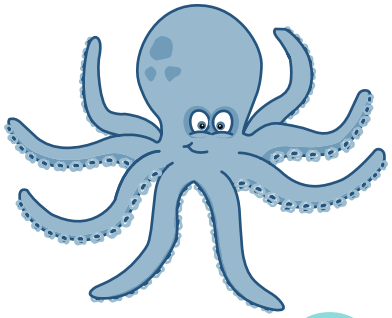

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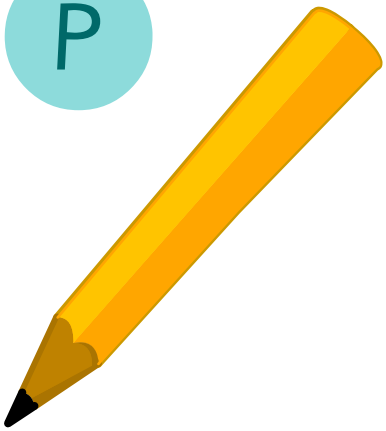

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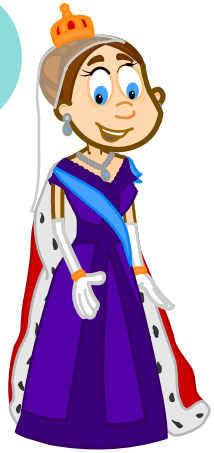

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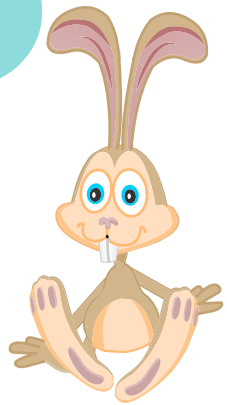

S s

T t

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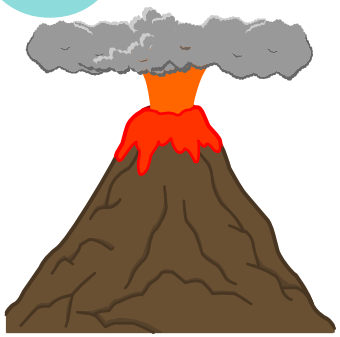
U u

V v



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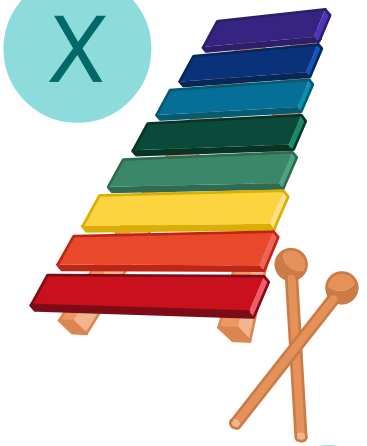

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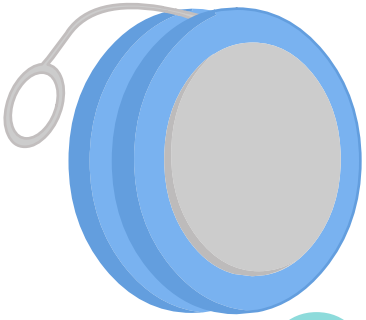

Z z

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