

# BRICK BUILDING FUN PACK



## INTRODUCTION:

Welcome to your Brick Fun Pack! It's the perfect addition to the Unofficial Guide to Learning with LEGO e-book!

This brick fun pack includes STEM projects, challenge calendar, task cards, math challenge cards, bingo, I-spy, and more! I'm sure it will keep every brick fan busy.

Feel free to use this pack with one junior inventor or a whole group of junior engineers. You may copy activities as many times as you like for your class, or party but please send your friends to grab their own pack instead of sharing files.

~ Thank you!







# STEM: BRICK CHALLENGES



Explore the world of STEM with your kids as they put their engineering skills to the test! Perfect to use with any size brick collection. This complete pack is perfect for your next STEM activity time!

What's Included:

- Brick Building Challenges
- STEM Journal Page
- Brick Supply List

# STEM: 100 BRICK TASK CARDS



Cut apart the task or challenge cards, and place in a handy container near the brick collection. Easy to use ideas with the bricks you already have on-hand are perfect for rainy days, early finishers, and STEM lessons!

What's Included:

- 100 Brick Challenge or Task Cards



# STEM: BRICK CHALLENGE CALENDAR

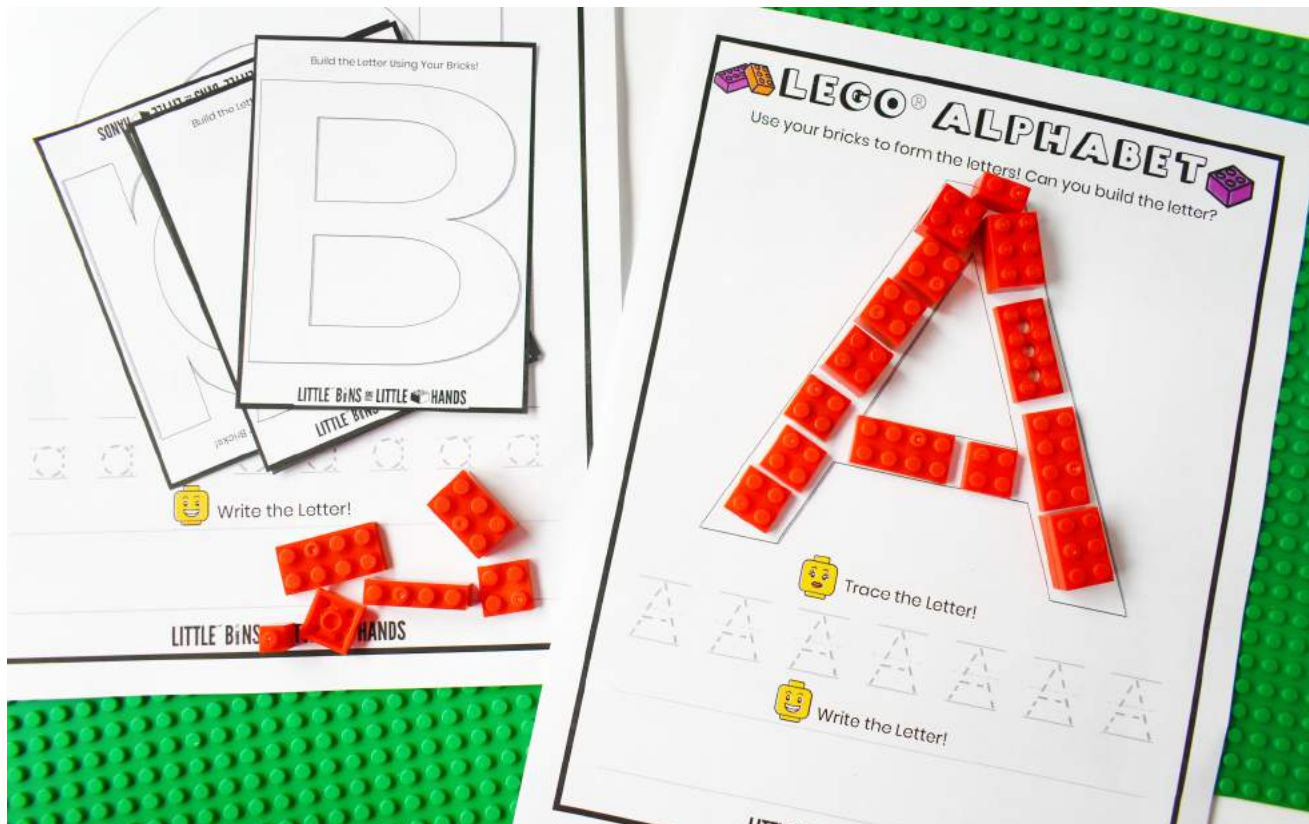


Tape or tack the challenge calendar to the brick bin, bulletin board, or fridge. Laminate for long lasting use! A new challenge each day will spark creativity and put design skills to the test!

What's Included:

- 31 Day Brick Building Challenge Calendar

# BRICK ALPHABET ACTIVITY



For younger brick fans, explore letters with simple bricks. Kids can build the alphabet. This is a fun addition to the letter building activity in the e-book!

What's Included:

- Upper and LowerCase Alphabet Sheets



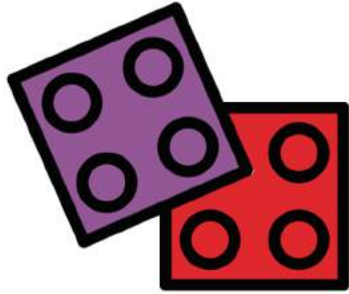
# BRICK SCREEN FREE CODING



Explore the binary code and algorithms with your bricks! Instructions are included for both packs.

What's Included:

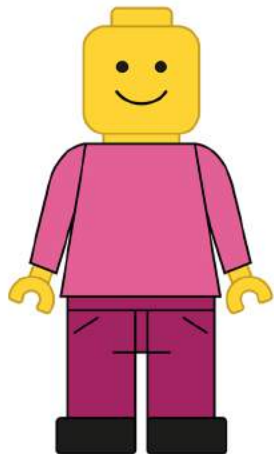
- Printable Brick Binary Code Sheets
- Printable Algorithm Game Sheets



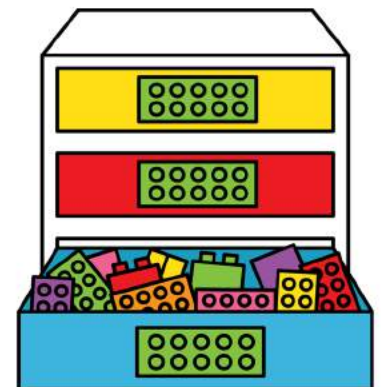
PRINTABLE



# BRICK & BUILDING ALGORITHM CODING GAME

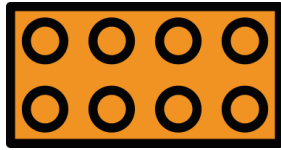


FOR KIDS  
3 LEVELS OF DIFFICULTY



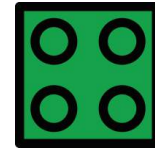
LITTLE BINS  
FOR LITTLE HANDS





## Screen-free coding with a brick building theme!

### Learn about algorithms as you play games.

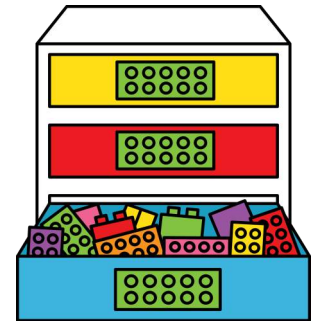


#### SET UP & PLAY

Print out one of the sets of grids to set up your board. Choose a blank grid with either brick storage containers. Cut out the corresponding colored bricks for your pieces.

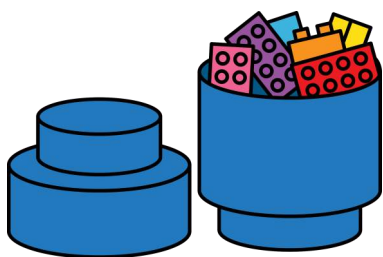
Place the colored bricks on the board in some of the blank spaces (not every space). You can play where the larger bricks are obstacles to move around and/or smaller bricks need to be collected.

Your arrows are your direction cards and how you write the code to solve the puzzle (around or collect the bricks). Included are left, right, and straight arrow pieces. You can use and re-use the grids over and over again and even laminate the sheets.



Use a minifigure as an object to move through the board to get to the brick storage containers or vice versa.

Use the directional cards to create an algorithm to reach the desired object. You can change the obstacle cards to create a new board each time. Use either the bricks on the same board! Start simple using just a few and work your way up!

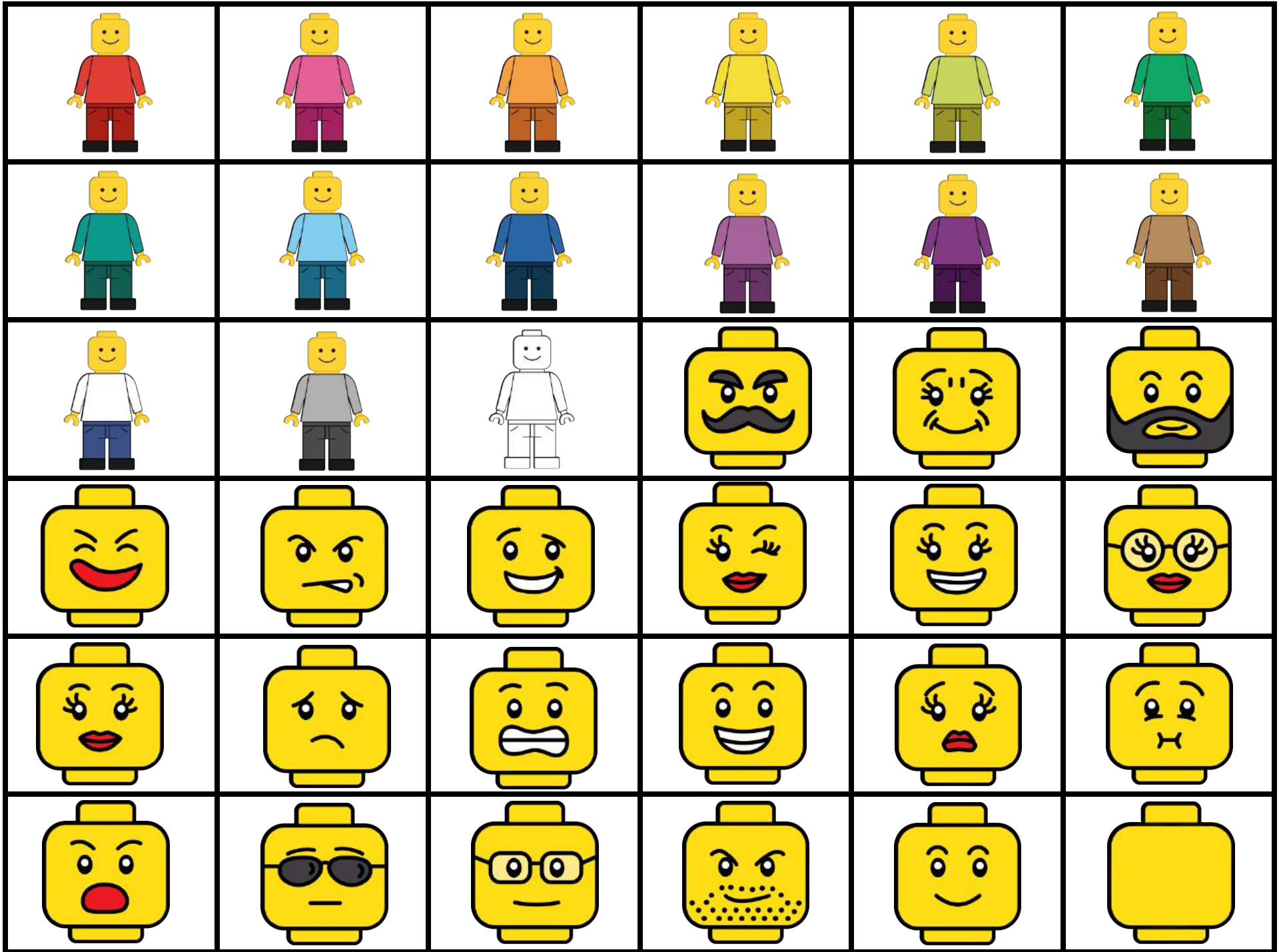


**Easier version:** Place out one directional card at a time as you move the object one square at a time with or without obstacles to go around.

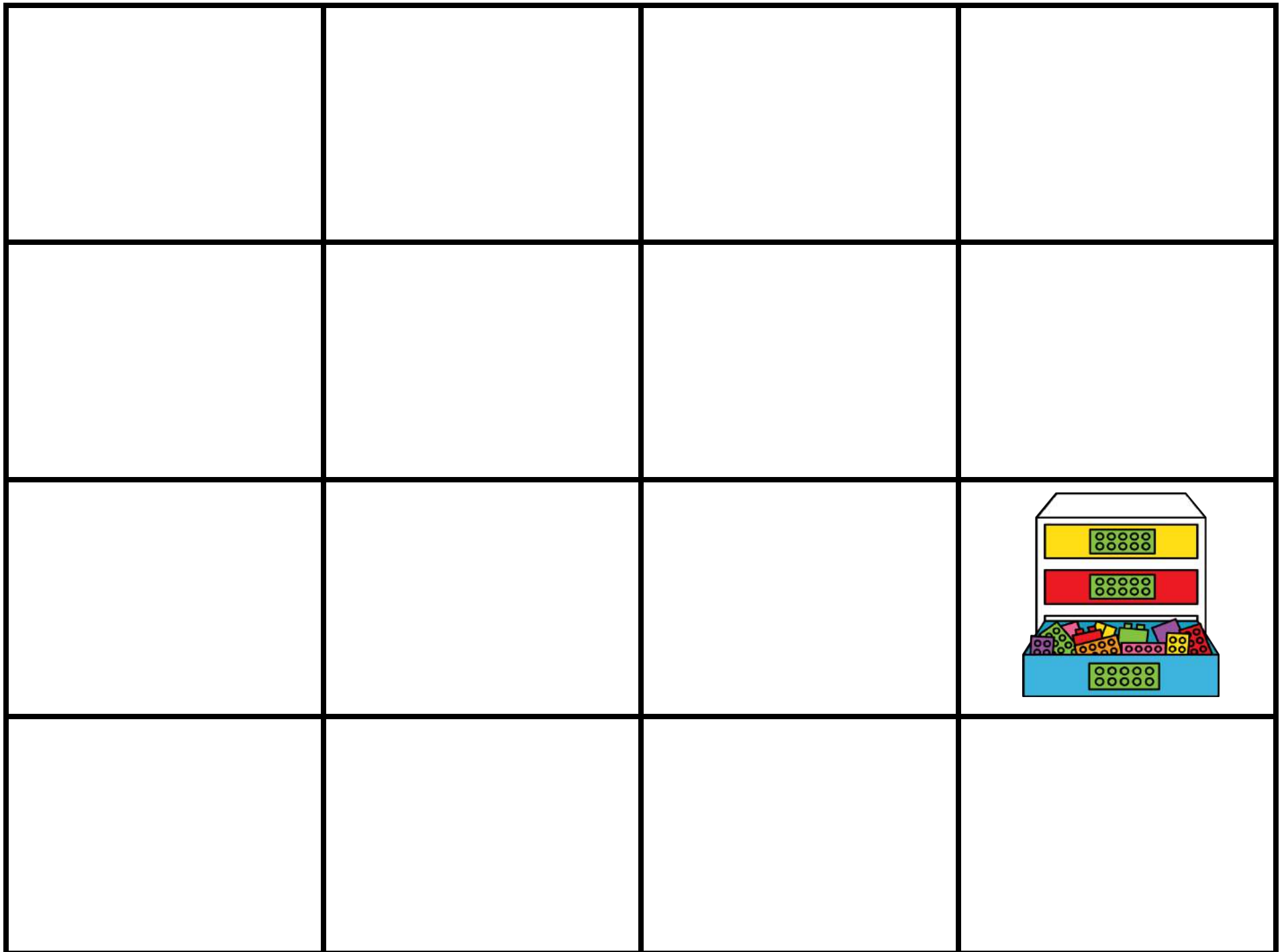
**Harder version:** Think out the sequence of actions ahead of time and place out a string of directional cards to show your program. Run your program (move your piece) according to your directions. Check your results. Did you make it? Do you need to fix a card?

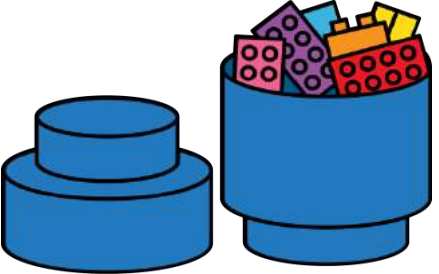
#### QUICK STEM

Coding is its own language. For programmers, it's like learning a new language when they write code for a new program. An algorithm is a series of actions that are strung together to solve a problem or tell something what it should do. Our printable algorithm coding game is perfect for learning how these actions string together to create a program through hands-on play!

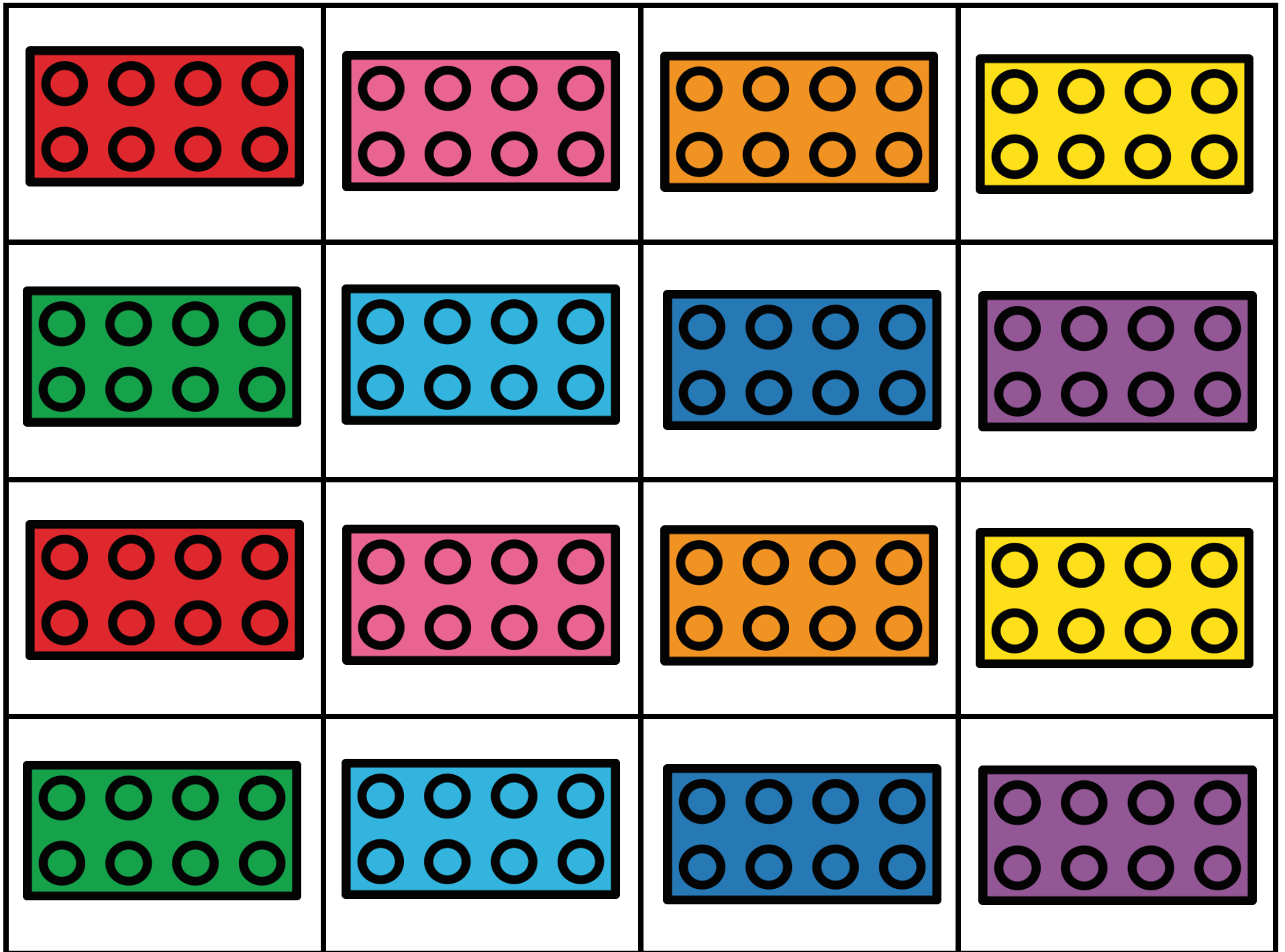


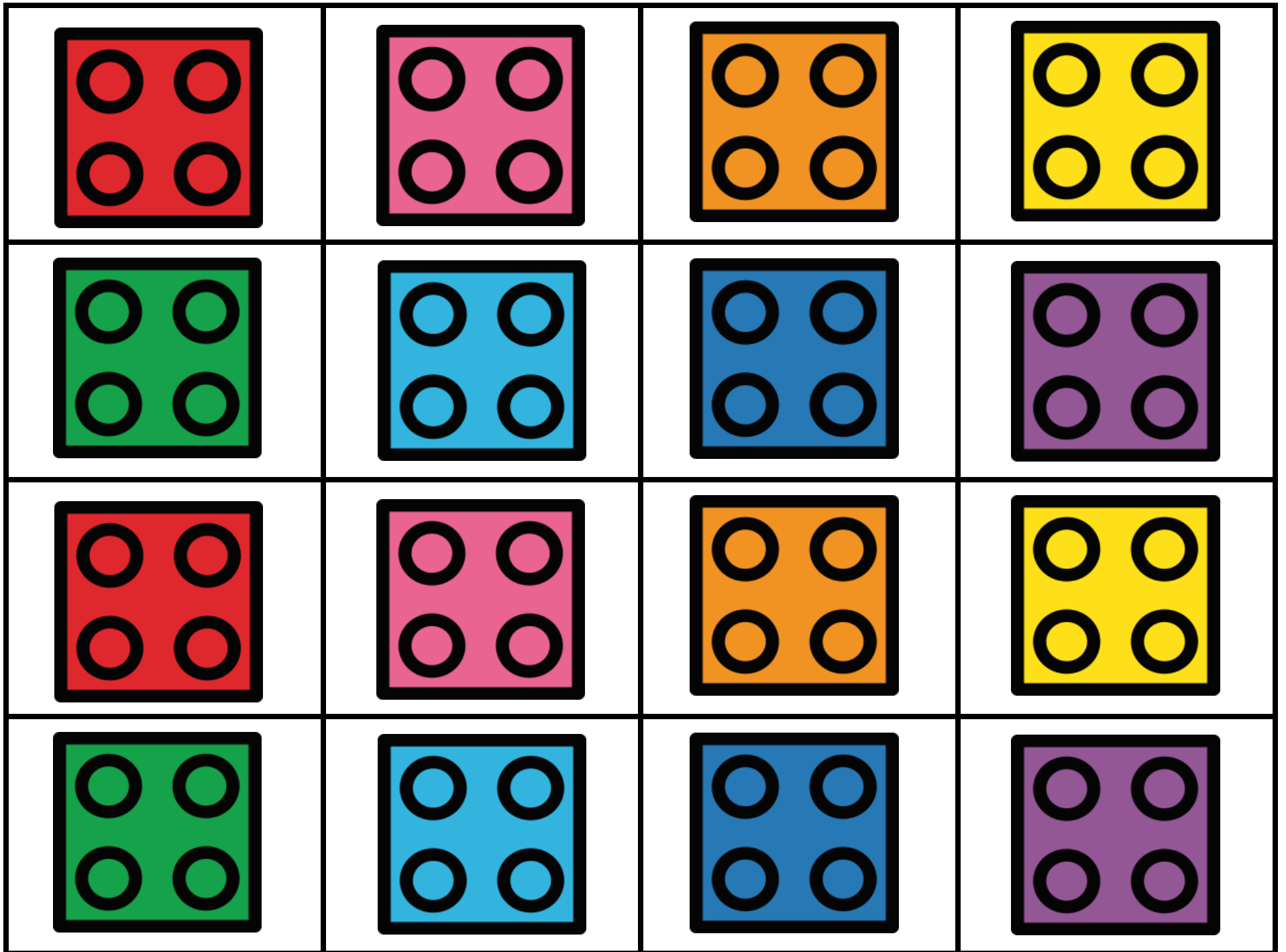


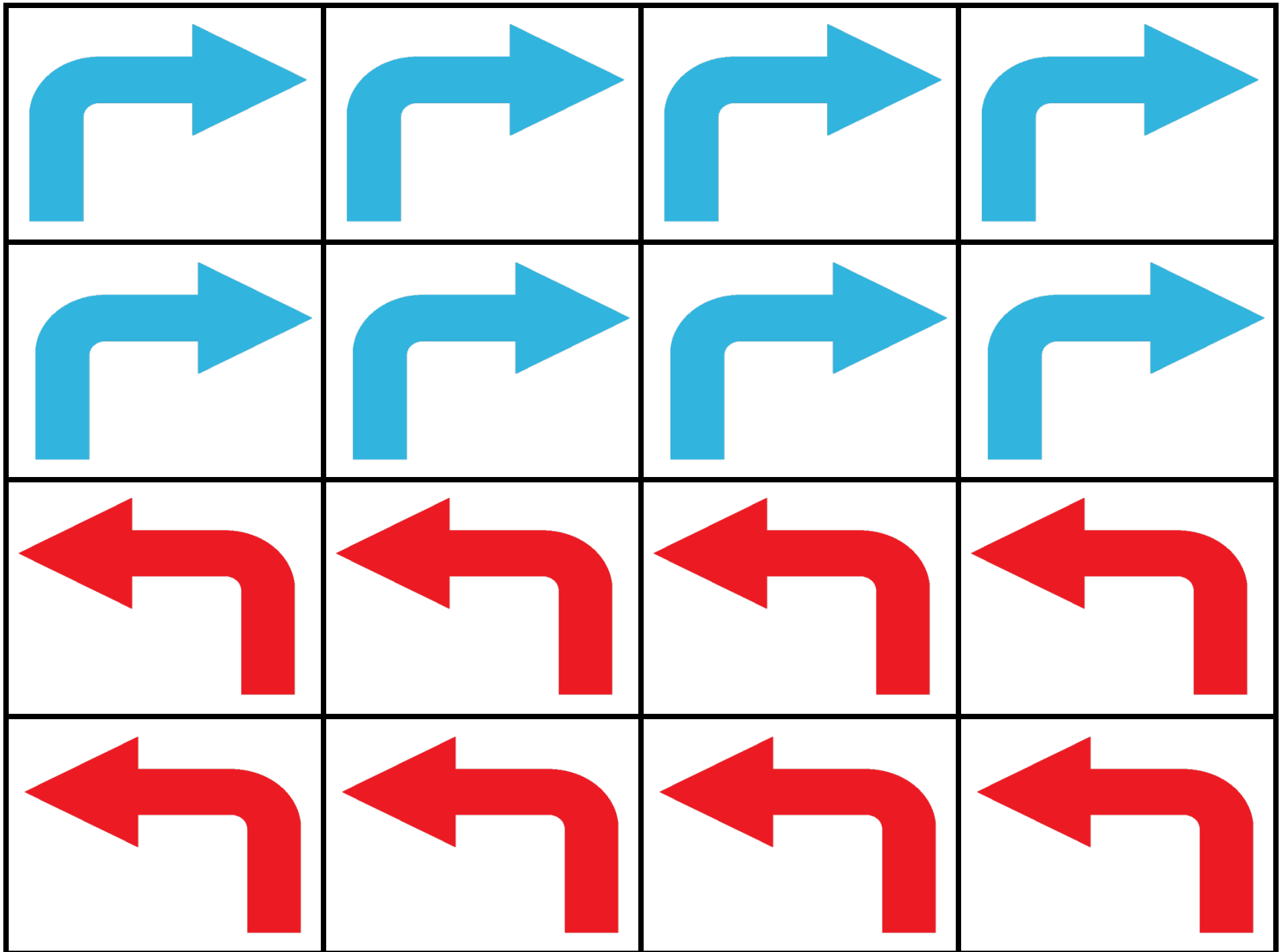


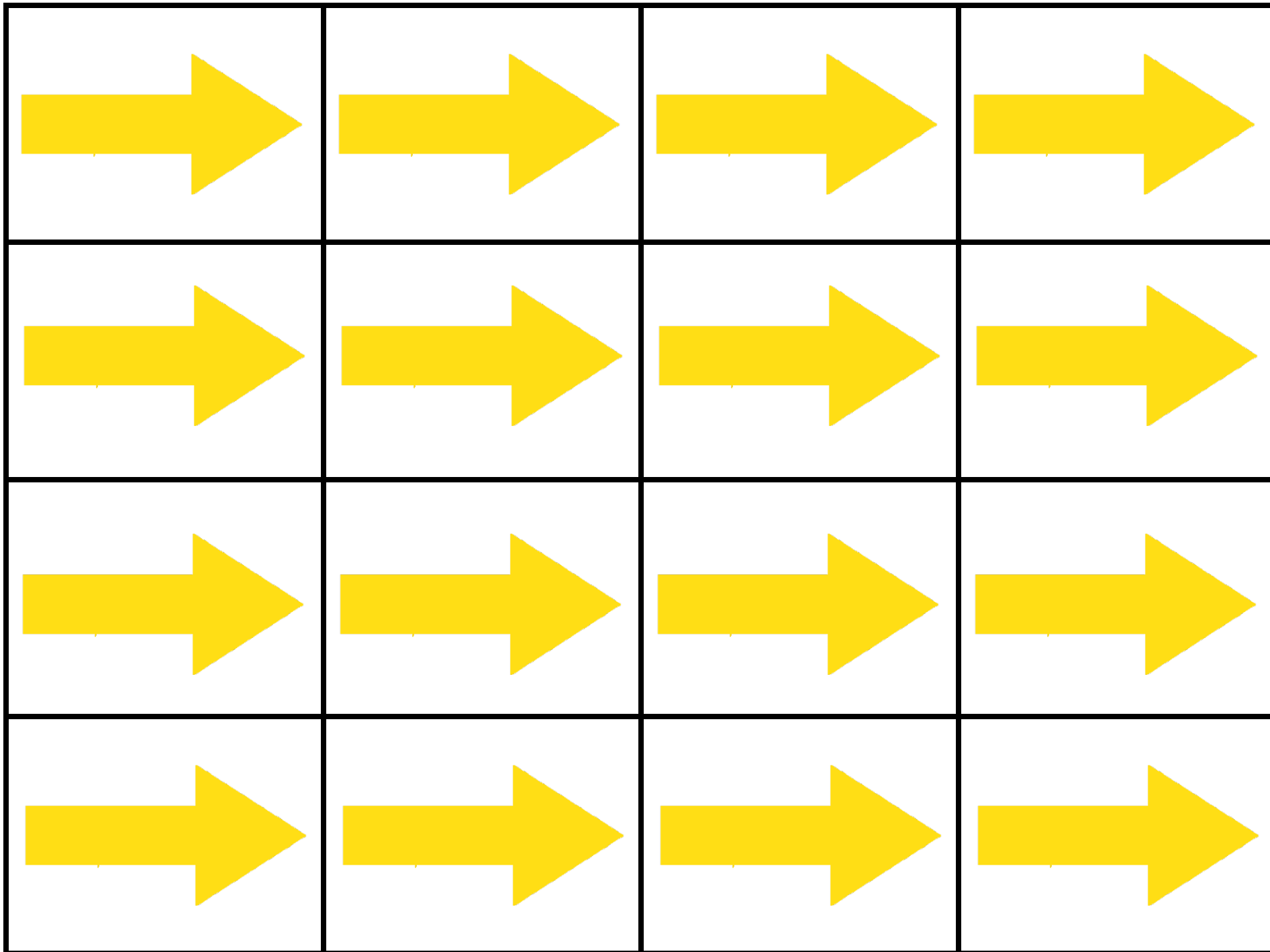





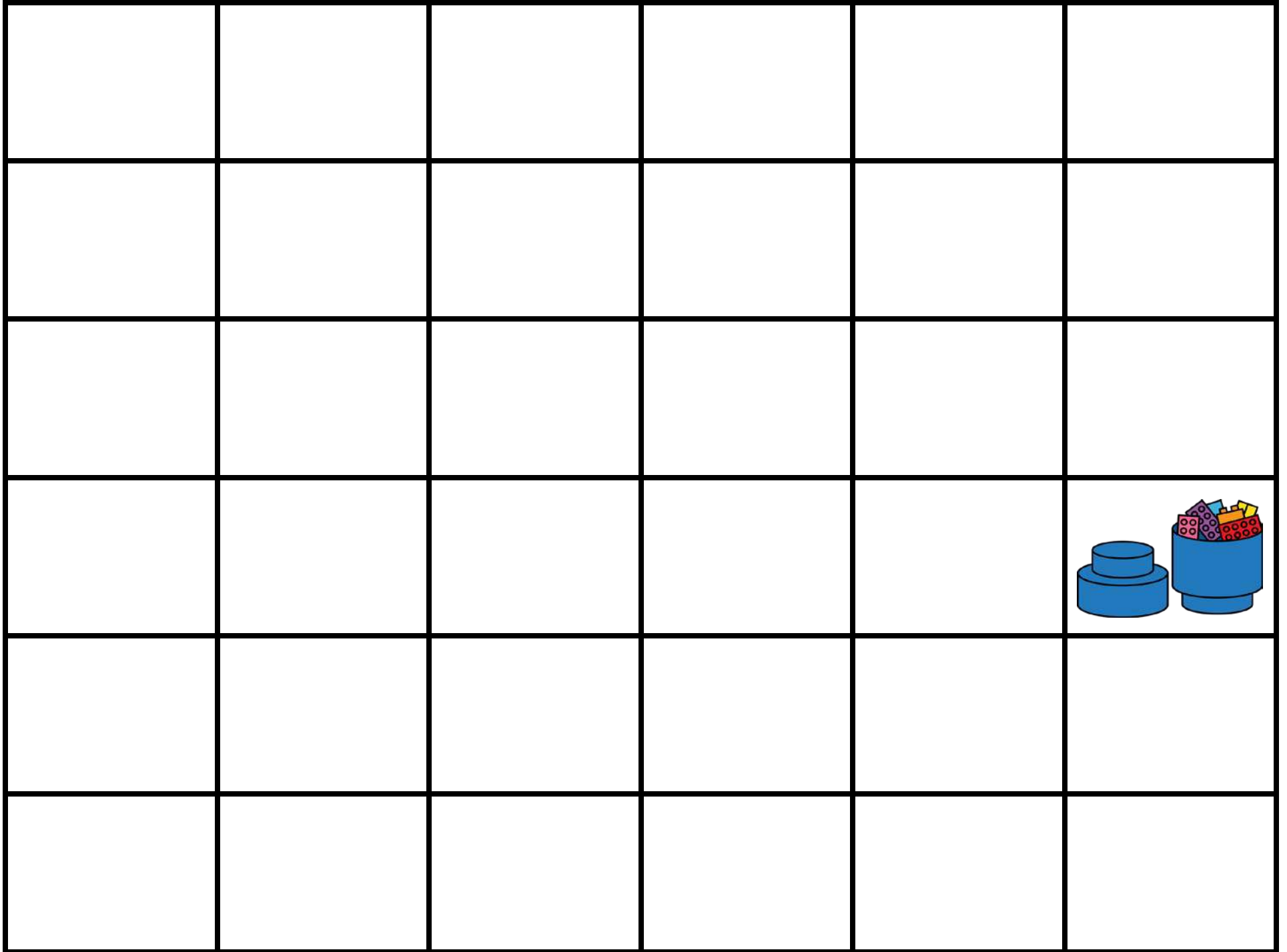




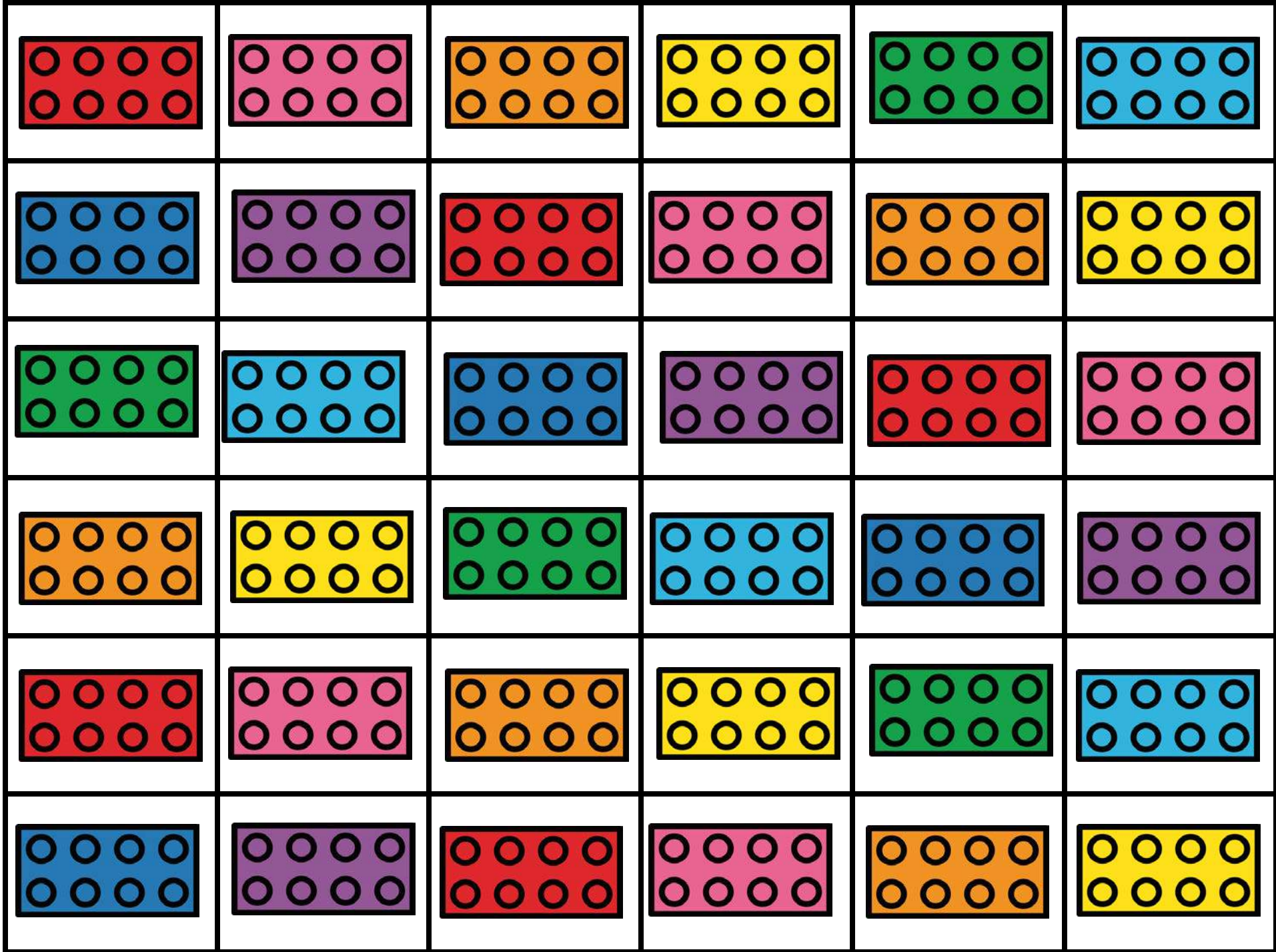


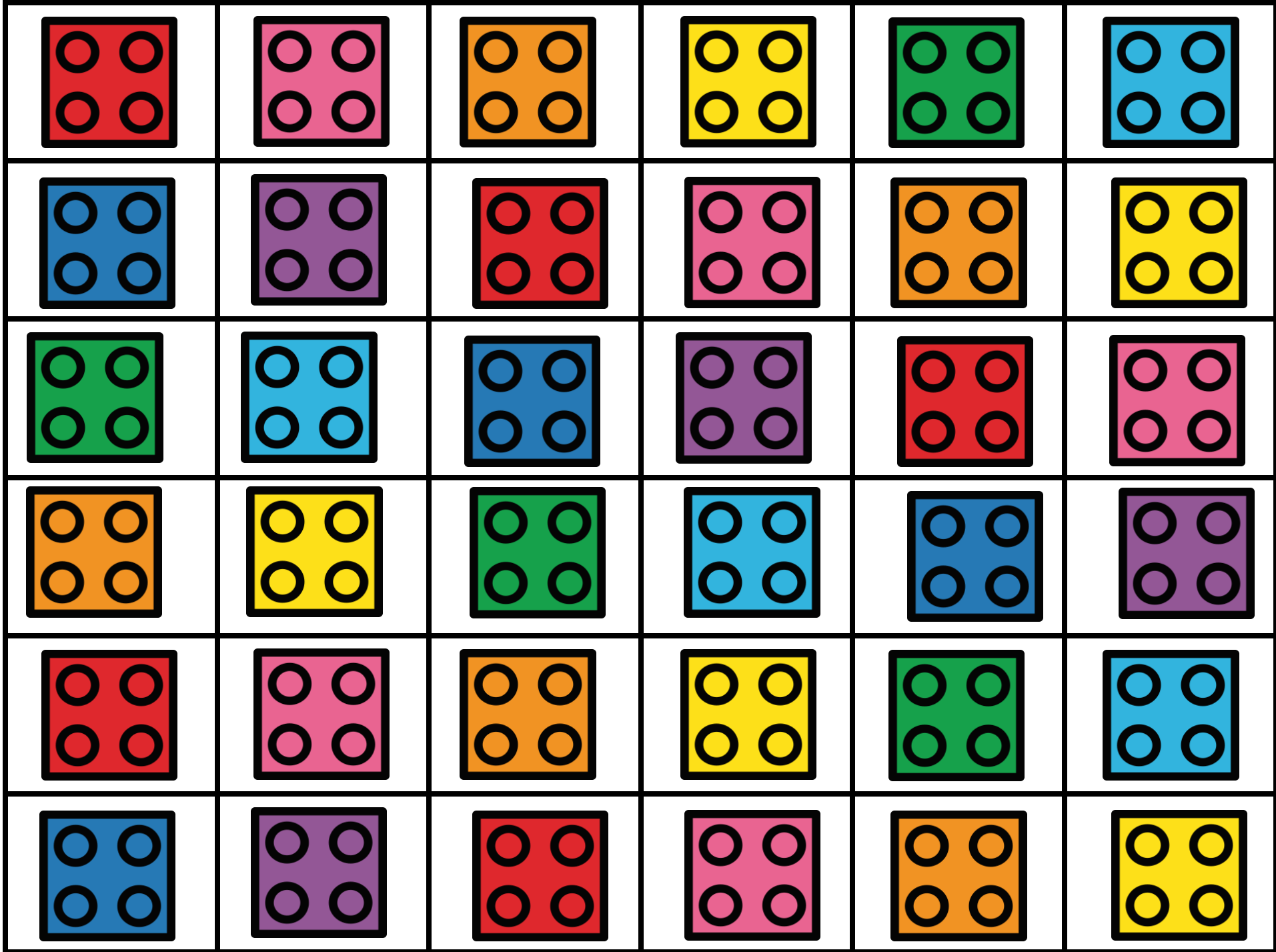


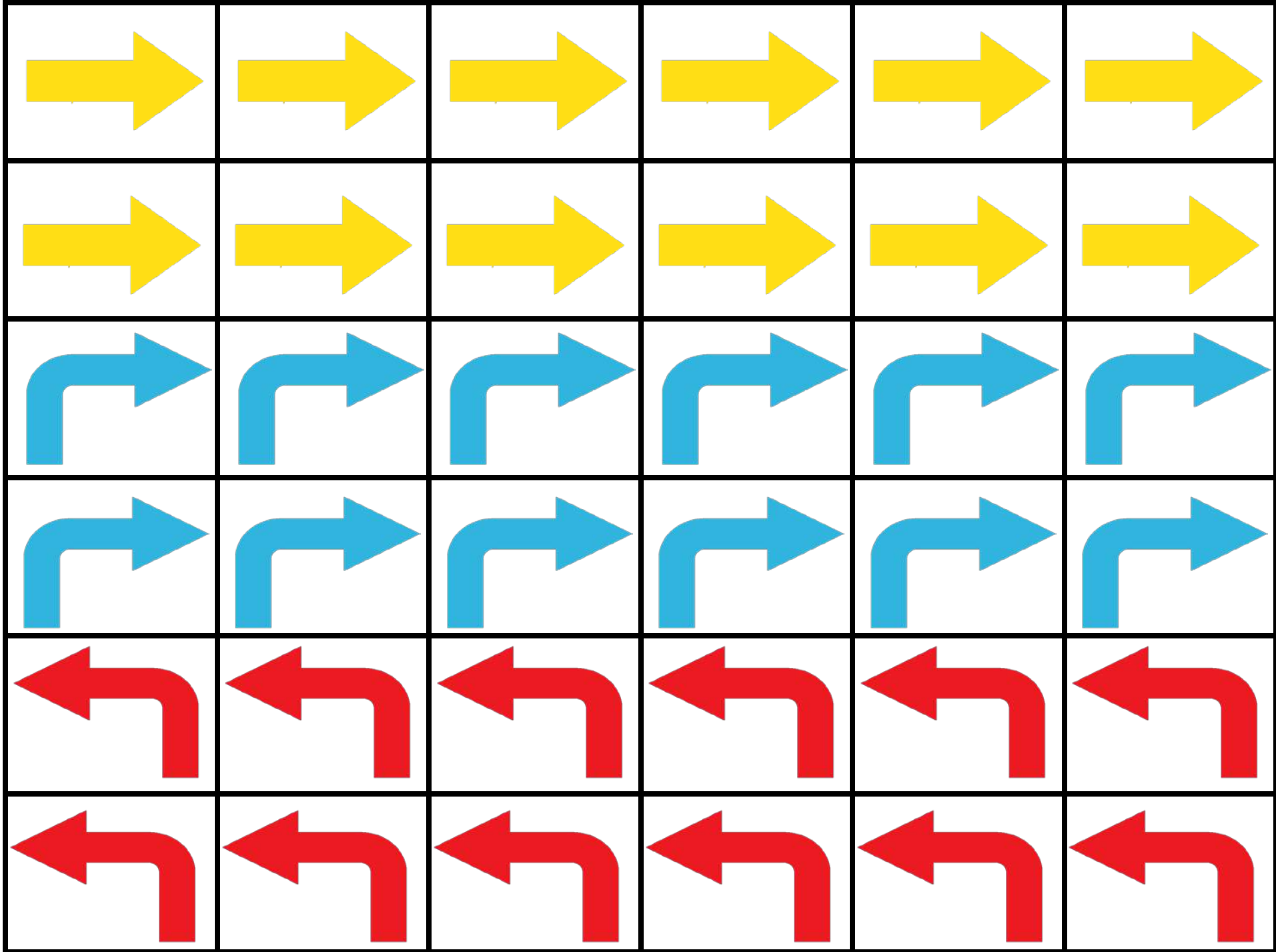
					



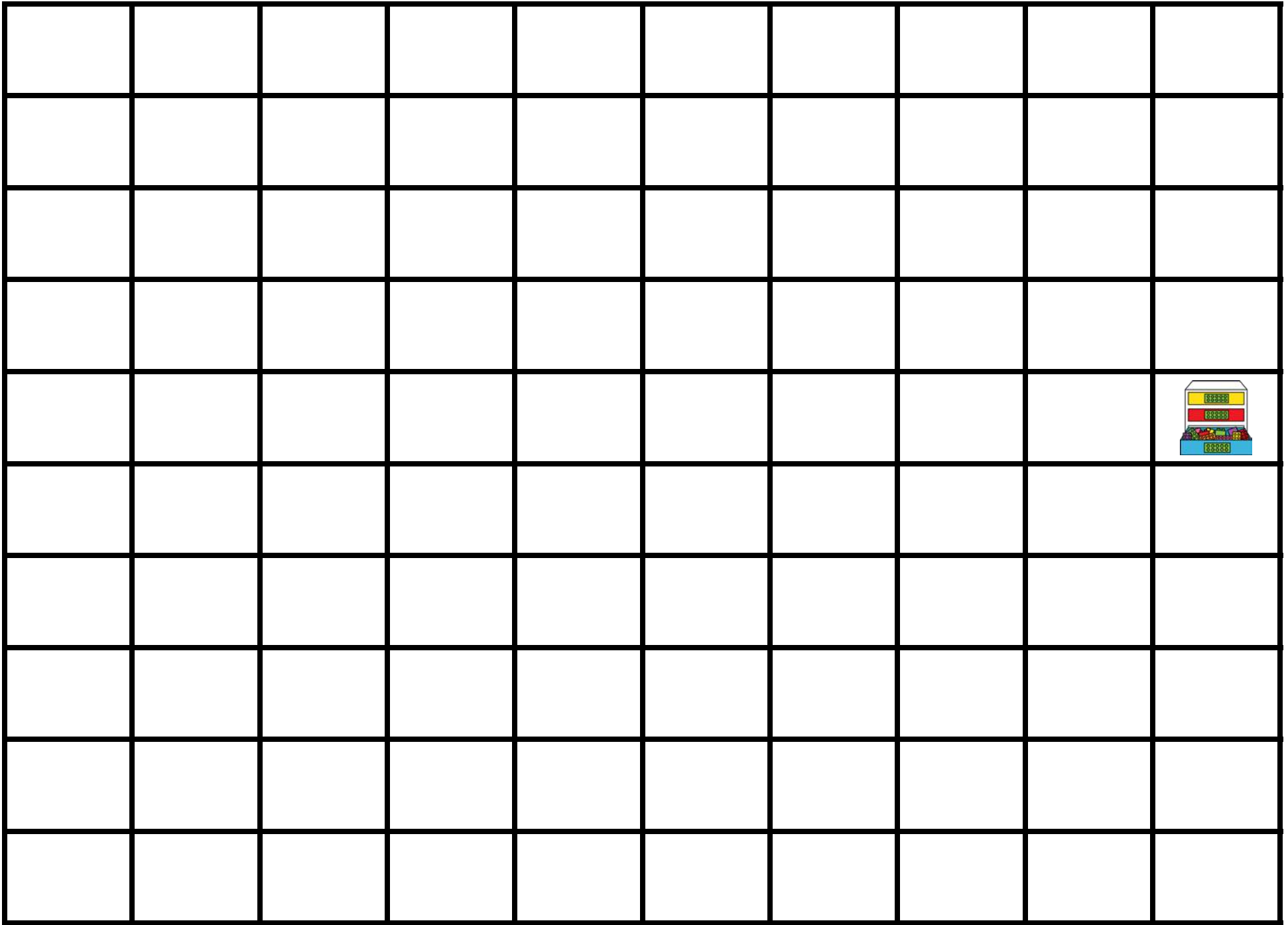


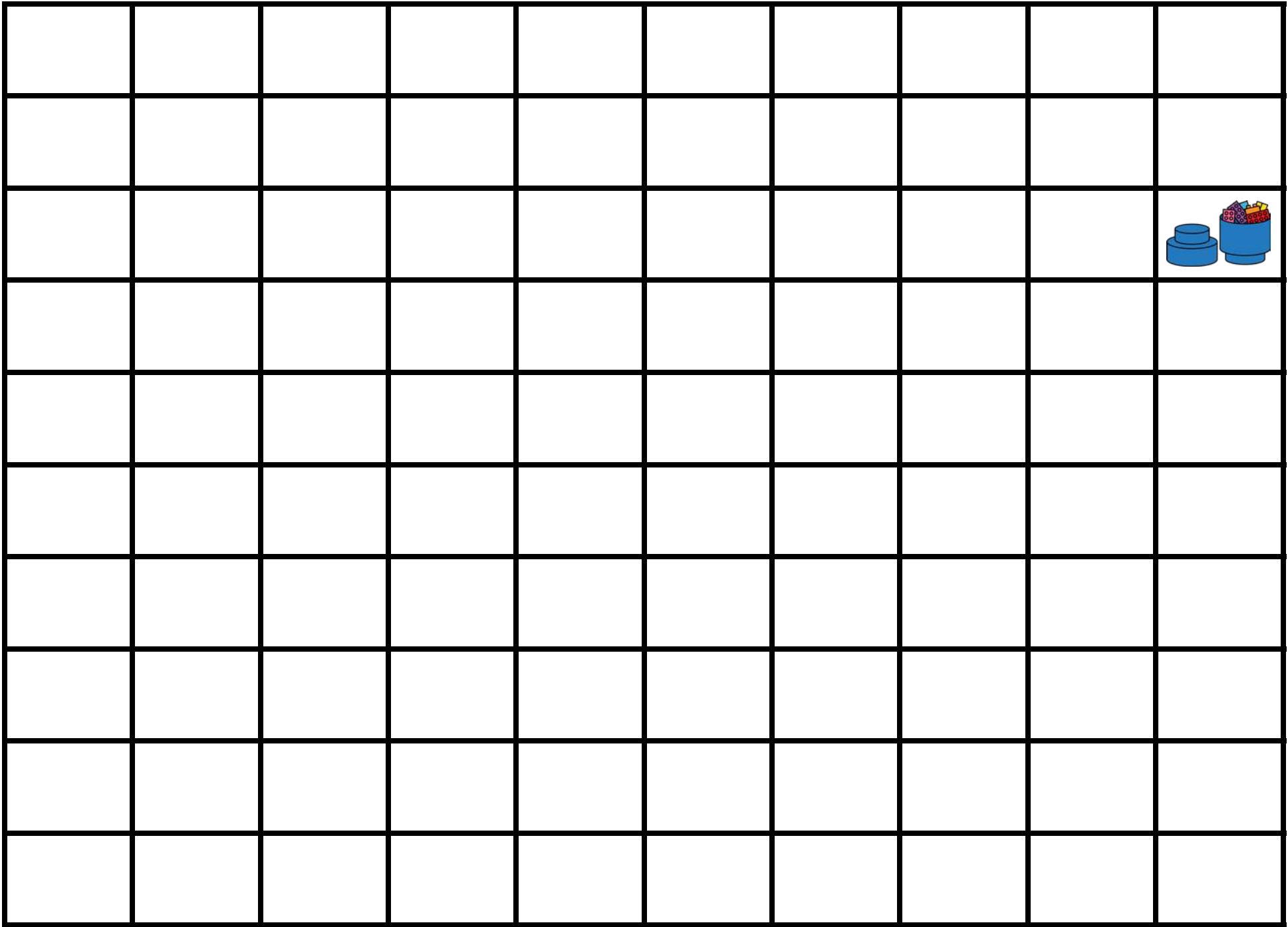


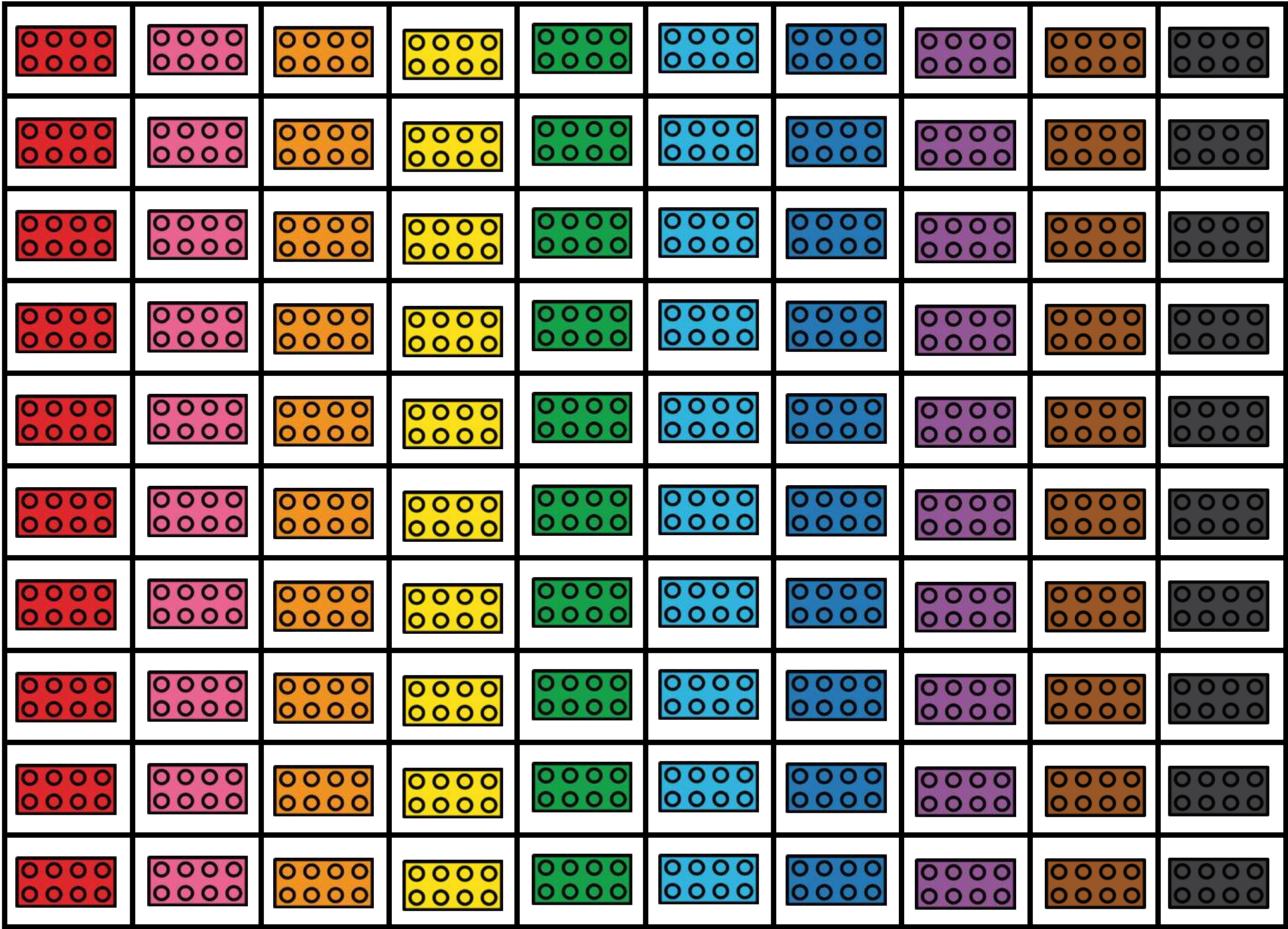




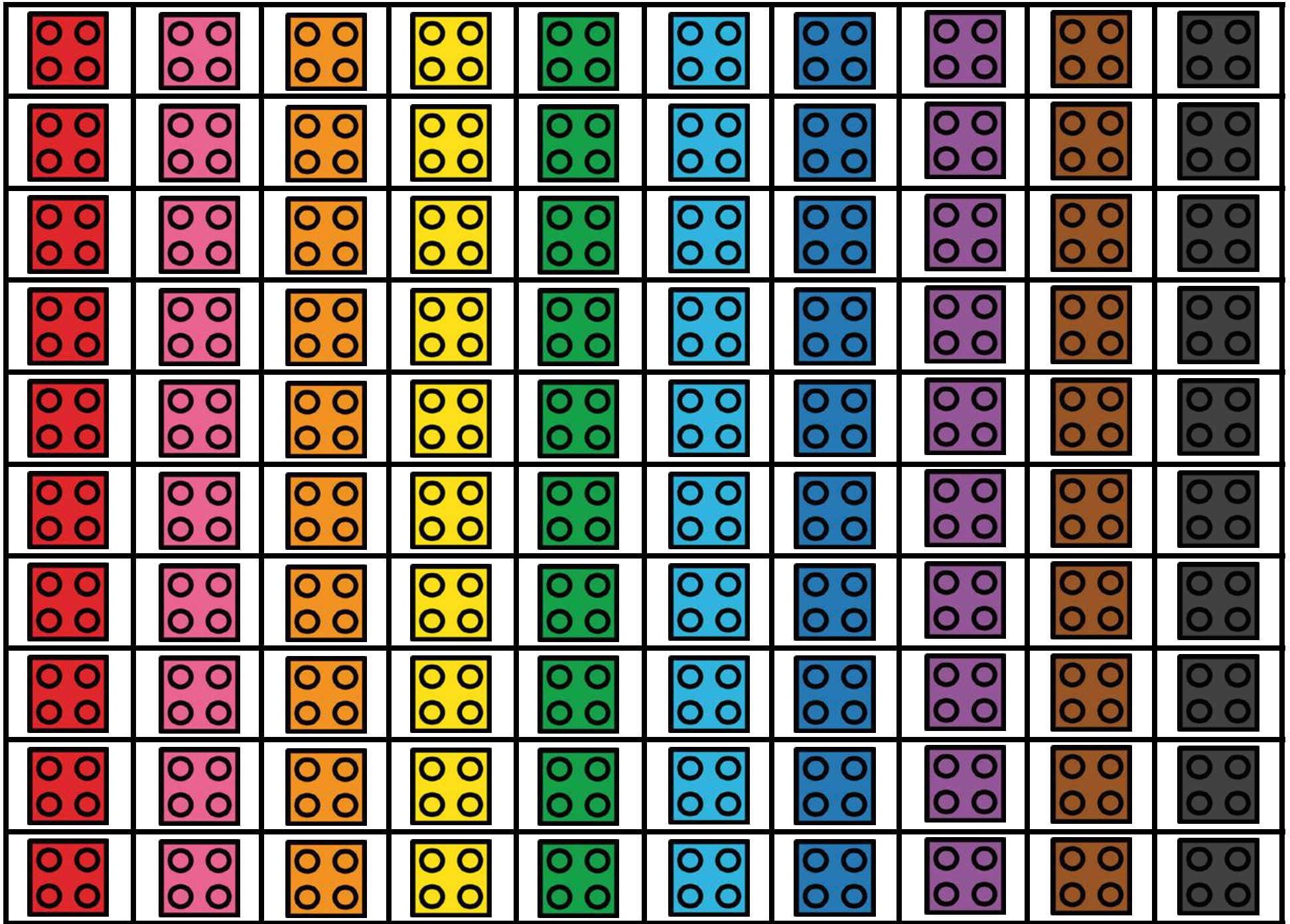


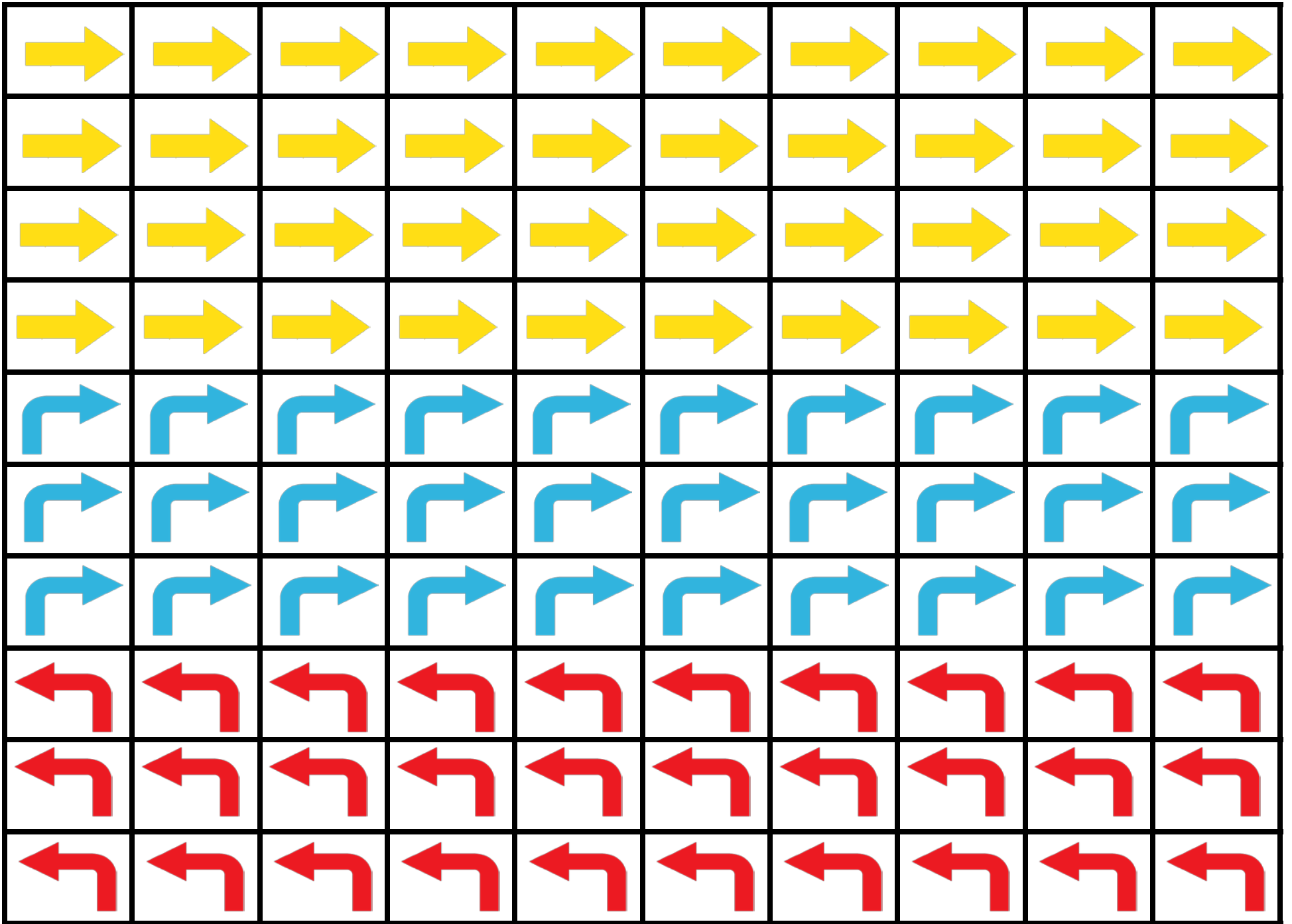












# BINARY CODE

Coding ornaments are the perfect craft activity for the kid who doesn't care too much for crafts! Screen-free coding and ornament making as you explore the binary code.

## SUPPLIES

- 3 Colors of Beads
- Pipe Cleaners
- Printable Binary Code Sheet

Choose one color bead for the number 1 and another color bead for the number 0. Choose a 3rd color bead to use as a spacer between letters.

Bend your pipe cleaner into any whimsical shape.

Choose a word or your name to be represented with the binary code. Use the printable sheet to write down the code.

If your word is too long for one pipe cleaner, simply attach another! Use ribbon or another type of fastener to hang in your window or tune into a keychain!

The computer doesn't read the letter A like we read the letter A. It reads it in a series of 1's and 0's. Each letter has its own code of 1's and 0's. This code is called the ASCII Binary Alphabet.

The binary number system is a base-2 number system. This means it only has two numbers: 0 and 1. The number system that we normally use is the decimal number system. It has 10 numbers: 0-9.

Computers work best with an "on" and "off" system and that is just what the binary code is all about. 1 is "on" and 0 is "off".

# ALPHABET IN BINARY CODE

<b>A</b>	<b>01000001</b>	<b>J</b>	<b>01001010</b>	<b>S</b>	<b>01010011</b>
<b>B</b>	<b>01000010</b>	<b>K</b>	<b>01001011</b>	<b>T</b>	<b>01010100</b>
<b>C</b>	<b>01000011</b>	<b>L</b>	<b>01001100</b>	<b>U</b>	<b>01010101</b>
<b>D</b>	<b>01000100</b>	<b>M</b>	<b>01001101</b>	<b>V</b>	<b>01010110</b>
<b>E</b>	<b>01000101</b>	<b>N</b>	<b>01001110</b>	<b>W</b>	<b>01010111</b>
<b>F</b>	<b>01000110</b>	<b>O</b>	<b>01001111</b>	<b>X</b>	<b>01011000</b>
<b>G</b>	<b>01000111</b>	<b>P</b>	<b>01010000</b>	<b>Y</b>	<b>01011001</b>
<b>H</b>	<b>01001000</b>	<b>Q</b>	<b>01010001</b>	<b>Z</b>	<b>01011010</b>
<b>I</b>	<b>01001001</b>	<b>R</b>	<b>01010010</b>		

## WRITE YOUR NAME IN CODE



_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____





# I LOVE TO BUILD...

A series of ten horizontal lines for writing, each preceded by a small illustration of colorful blocks.



**WRITE BRICK IN  
BINARY CODE**

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**WRITE MAKE IN  
BINARY CODE**

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**WRITE BUILD IN  
BINARY CODE**

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**WRITE BLOCK IN  
BINARY CODE**

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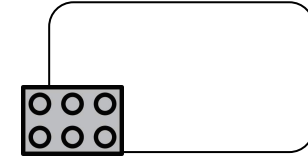
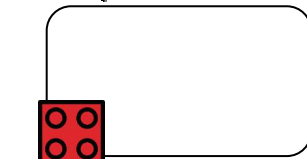
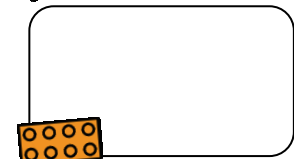
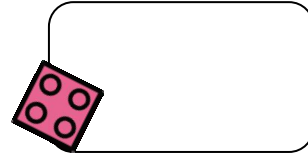
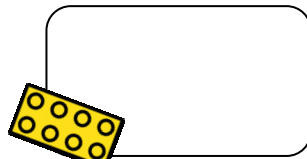
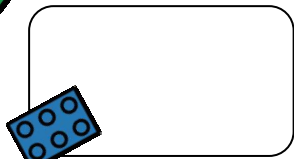
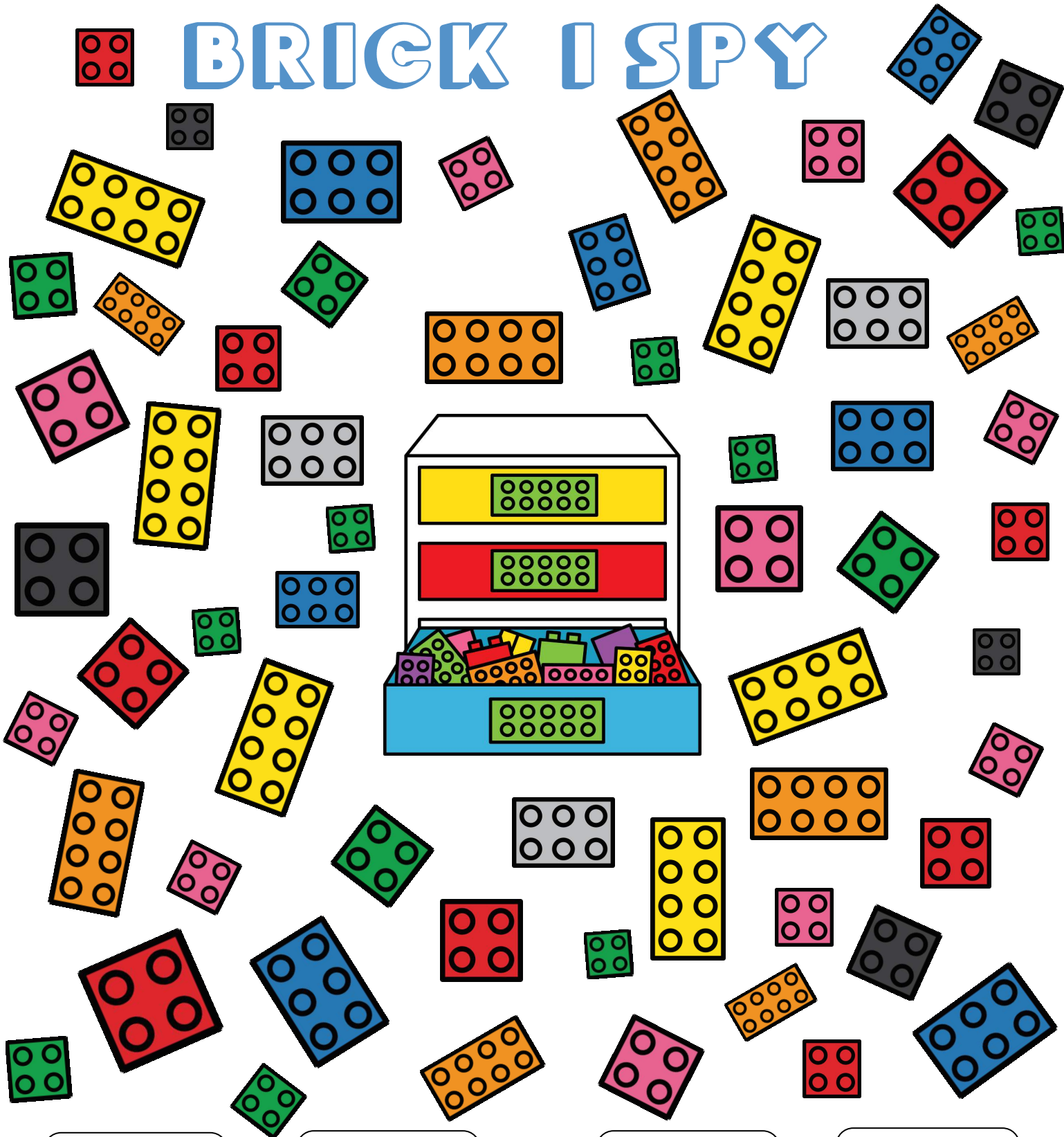
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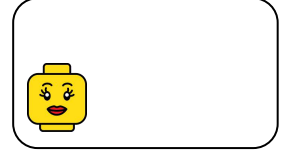
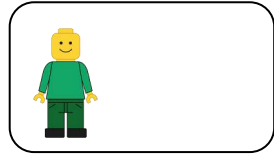
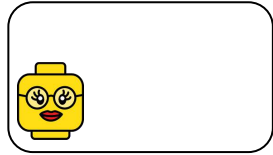
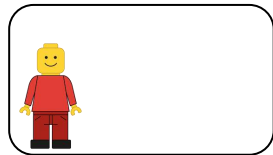
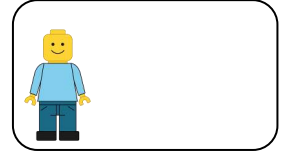
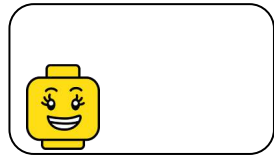
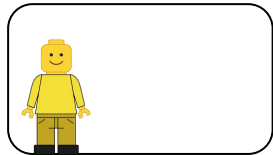
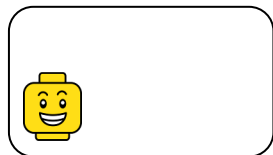
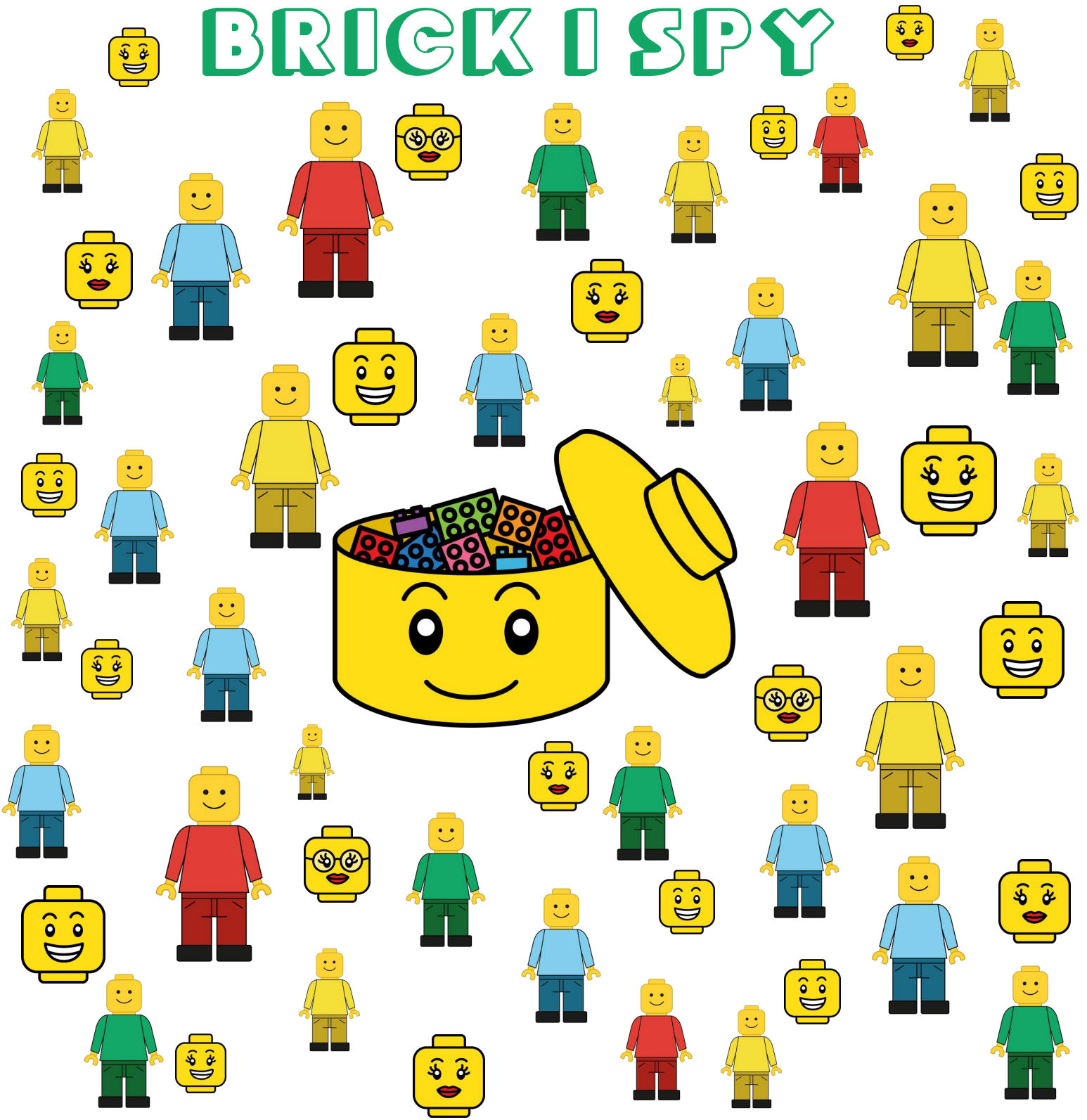
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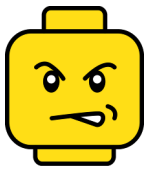
# BRICK ISPY



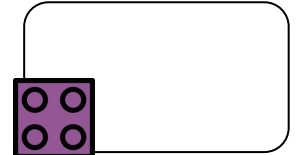
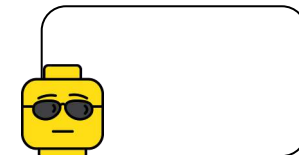
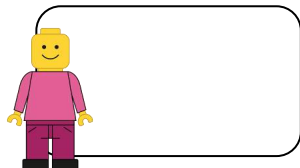
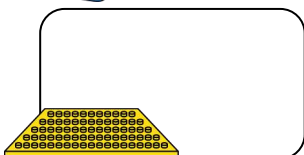
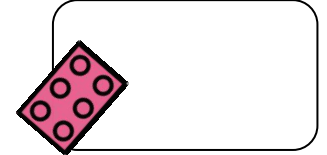
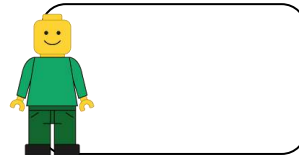
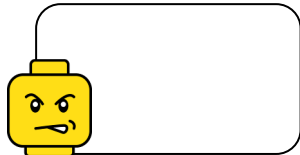
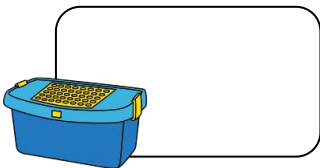
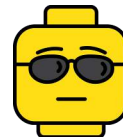
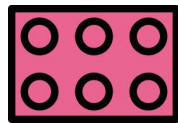
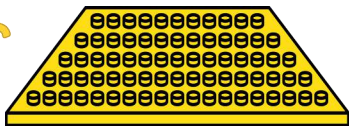
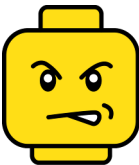
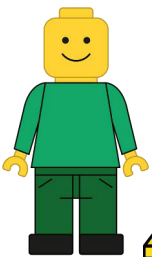
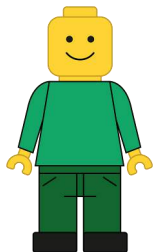
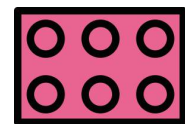
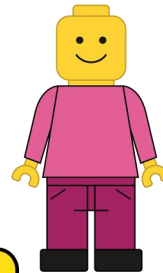
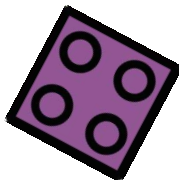
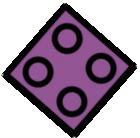
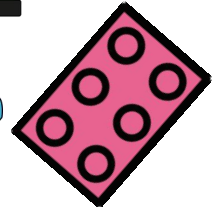
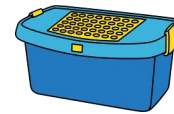
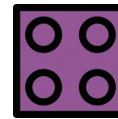
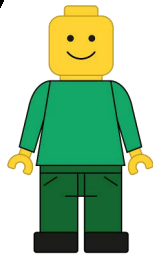
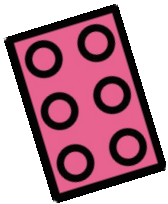
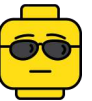
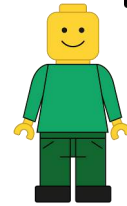
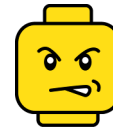
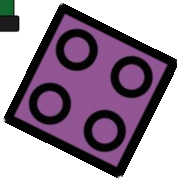
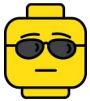
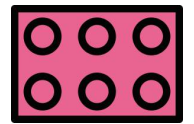
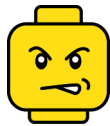
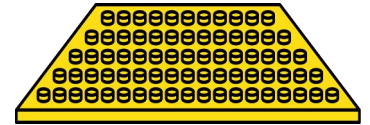
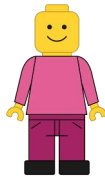
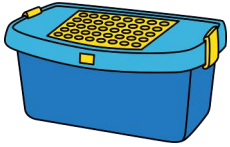
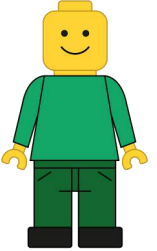
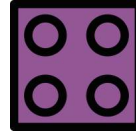
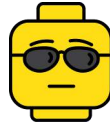
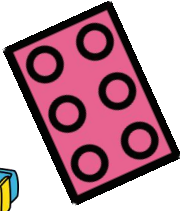
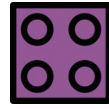
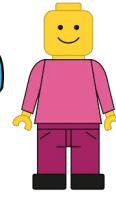
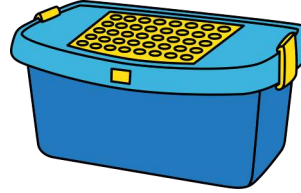
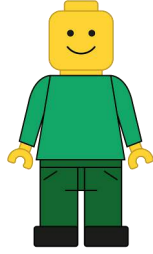
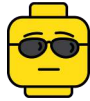
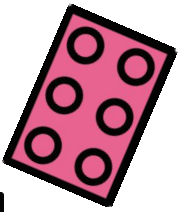
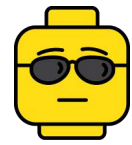
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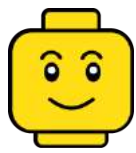




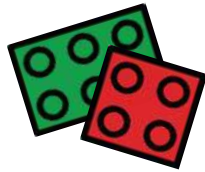


# BRICK I SPY

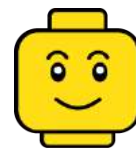




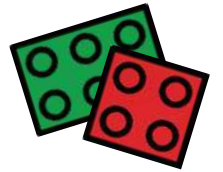
# Brick BINGO



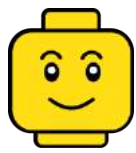
		free		



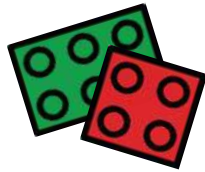
# Brick BINGO



		free		



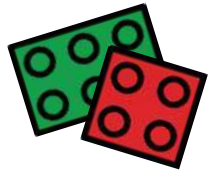
# Brick BINGO



		free		

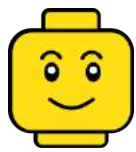


# Brick BINGO

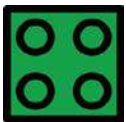
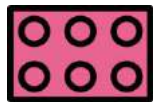
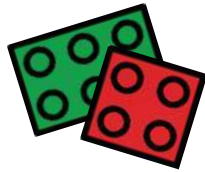


		free		

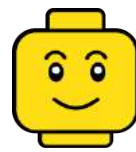
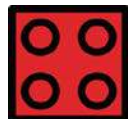
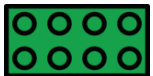
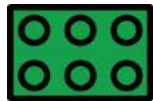
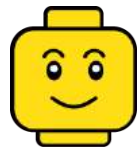
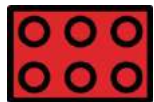




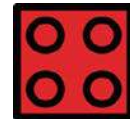
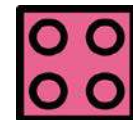
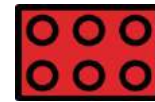
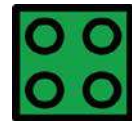
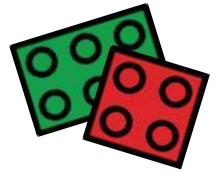
# Brick BINGO



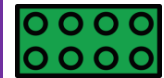
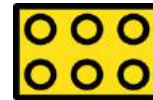
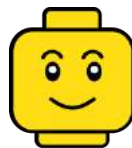
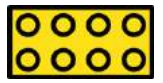
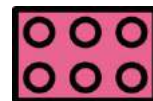
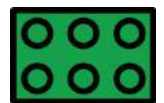
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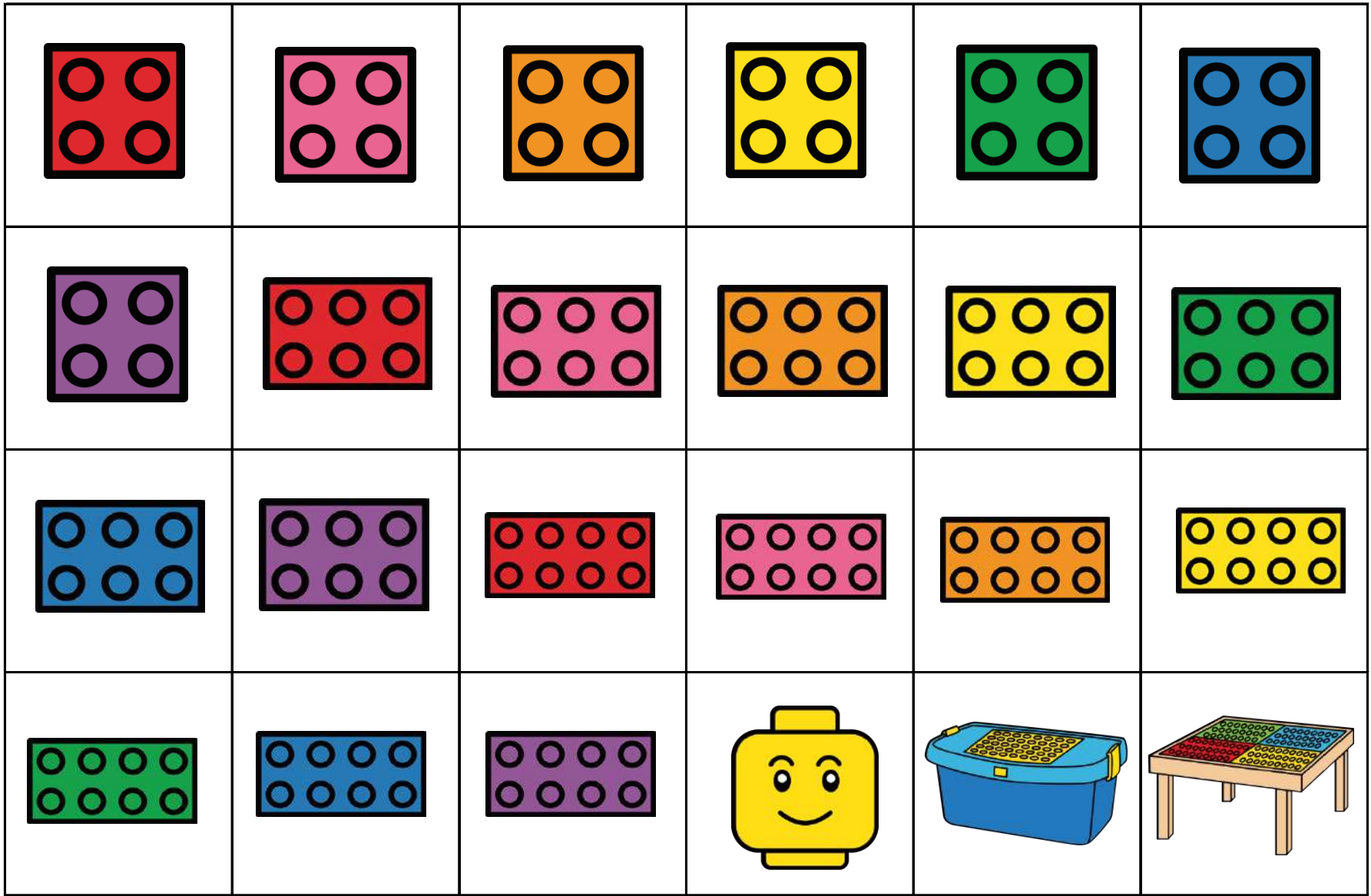


# Brick BINGO



free









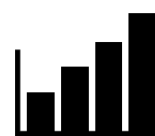
# BRICK STEM

## Challenges

## &

## Engineer's

## Notebook



You can use this notebook for all the Sprint time STEM activities found in the pack.

LITTLE BINS FOR LITTLE HANDS

# BRICK STEM CHALLENGE SUPPLY LIST

For this STEM challenge you will only need a few supplies.

You'll need a wide variety of LEGO® and Duplo® Bricks.

LEGO® Bricks

Bowls

Duplo® Bricks

Balloons

Brick plates

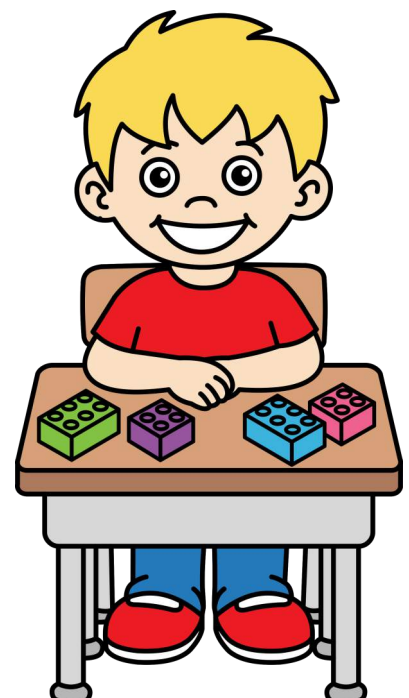
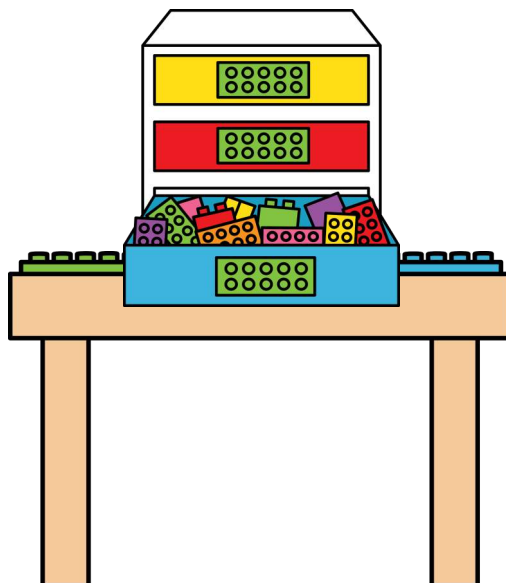
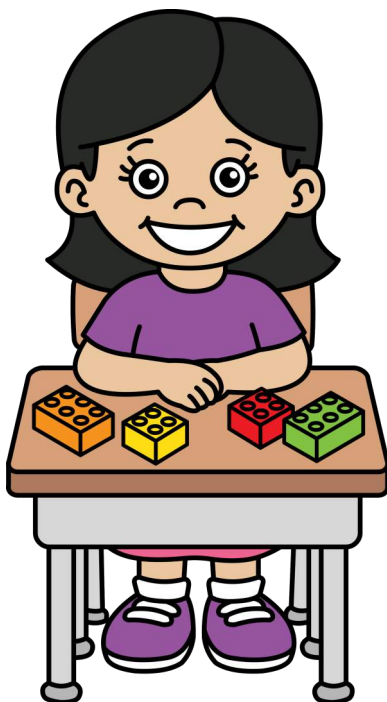
String

Brick wheels

Rubber bands

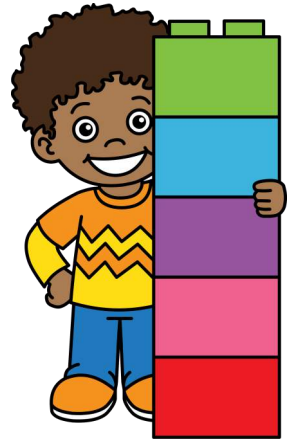
Brick gears

Water



# BUILD A TOWER

**Challenge:** Using only bricks build a free-standing tower that is as tall as you are.



# BUILD A CAR

**Challenge:** Build a car that moves with a force such as wind or a balloon or rubber band.



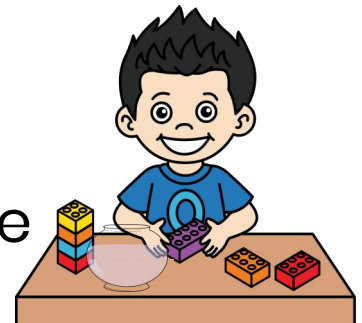
# BUILD A BRIDGE

**Challenge:** Build a bridge that spans a 12" wide gap.



# CAN YOU SINK A BRICK?

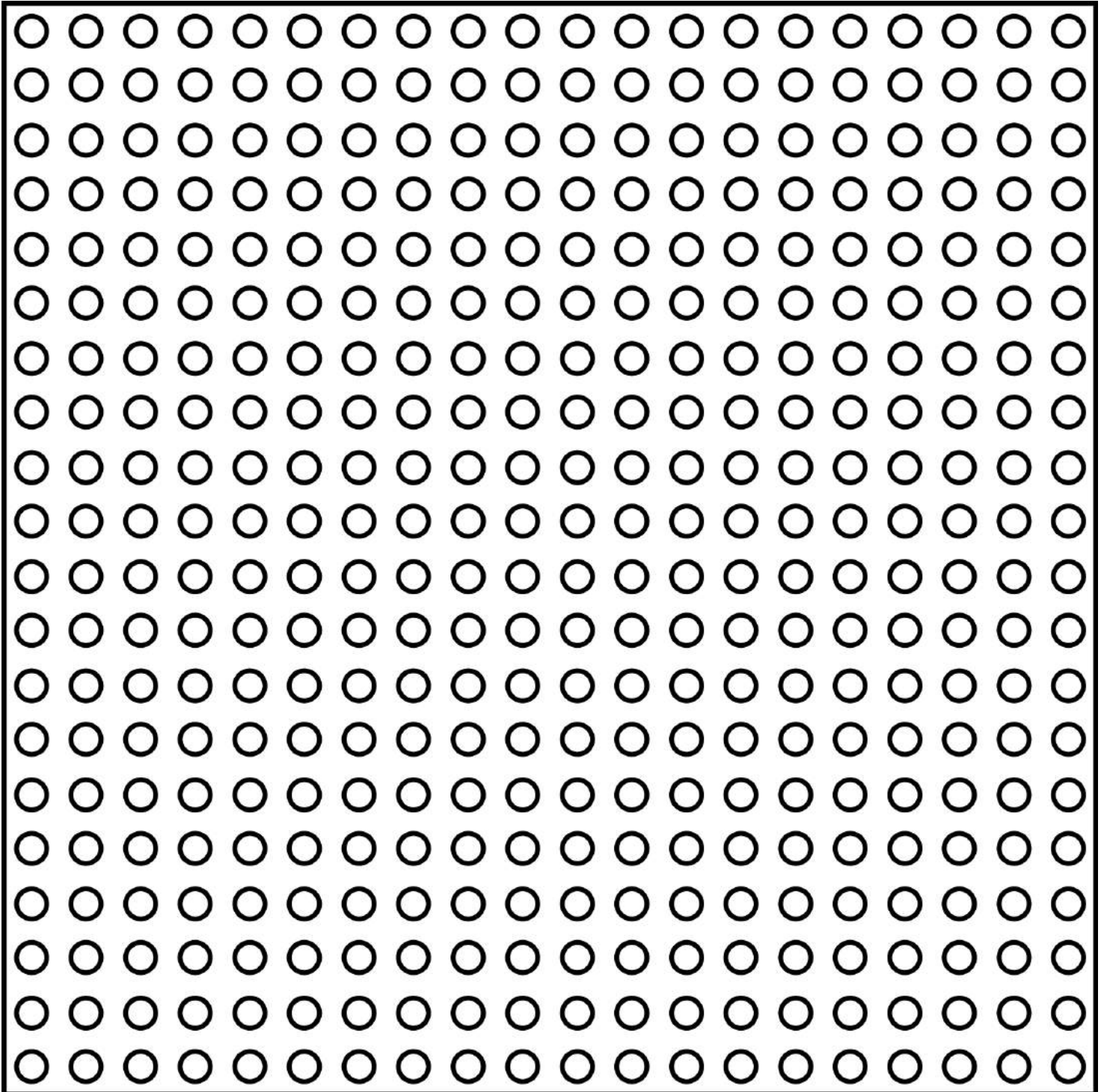
**Challenge:** Using a bowl of water, bricks, and other objects, determine what it would take to sink a brick.



# DESIGN A FLOOR PLAN

Use bricks to create a floor plan of your bedroom. Start by using the sample brick plate below to plot and diagram your layout.

Then build your model using bricks.





## My STEM Challenge:

### ? ASK

What is the problem?

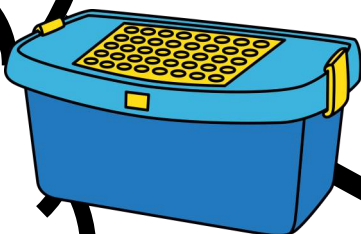


### Collect Information

What information & resources will I need?

### Imagine

How can I solve the problem?



### Plan



What materials do I have/need?  
What steps do I take?



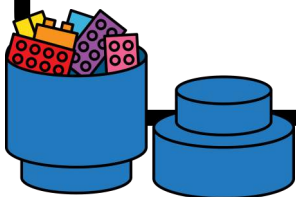
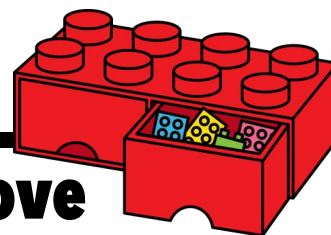
### Create

I will test my solution,  
and take or draw notes.



### Improve

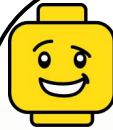
What changes can I make  
to improve my plan?



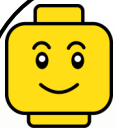




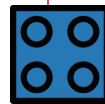
## My Research Notes



## Draw It



## Draw It

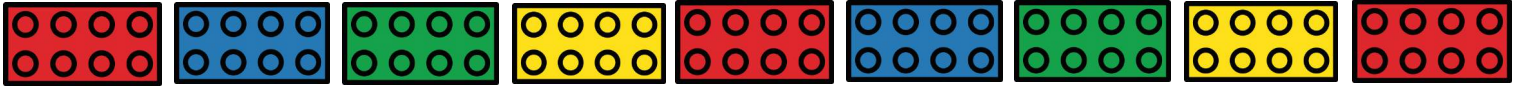


## My Next Plan



# LEGO® MATH CHALLENGE CARDS

Cut out cards and laminate. Pack in a bag with bricks.



FIND 3 **BLUE** BRICKS

ADD 2 **GREEN** BRICKS

How many bricks do you have?

FIND 4 **ORANGE** BRICKS

ADD 1 **BLUE** BRICKS

How many bricks do you have?

FIND 6 **RED** BRICKS

ADD 5 **BLUE** BRICKS

How many bricks do you have?

FIND 3 **ORANGE** BRICKS

ADD 7 **GREEN** BRICKS

How many bricks do you have?

FIND 2 **RED** BRICKS

ADD 4 **GREEN** BRICKS

How many bricks do you have?

FIND 9 **YELLOW** BRICKS

ADD 4 **ORANGE** BRICKS

How many bricks do you have?

FIND 10 **YELLOW** BRICKS

ADD 5 **BLUE** BRICKS

How many bricks do you have?

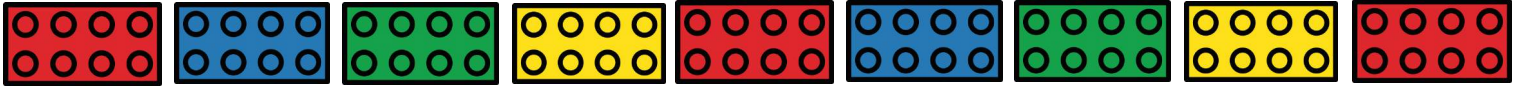
FIND 9 **RED** BRICKS

ADD 5 **YELLOW** BRICKS

How many bricks do you have?

# LEGO® MATH CHALLENGE CARDS

Cut out cards and laminate. Pack in a bag with bricks.



FIND 4 **BLUE** BRICKS

ADD 1 **GREEN** BRICKS

How many bricks do you have?

FIND 7 **ORANGE** BRICKS

ADD 3 **BLUE** BRICKS

How many bricks do you have?

FIND 13 **RED** BRICKS

ADD 6 **BLUE** BRICKS

How many bricks do you have?

FIND 8 **ORANGE** BRICKS

ADD 12 **GREEN** BRICKS

How many bricks do you have?

FIND 11 **RED** BRICKS

ADD 6 **GREEN** BRICKS

How many bricks do you have?

FIND 8 **YELLOW** BRICKS

ADD 2 **ORANGE** BRICKS

How many bricks do you have?

FIND 14 **YELLOW** BRICKS

ADD 5 **BLUE** BRICKS

How many bricks do you have?

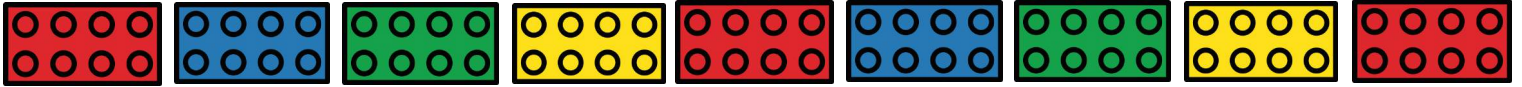
FIND 6 **RED** BRICKS

ADD 6 **YELLOW** BRICKS

How many bricks do you have?

# LEGO® MATH CHALLENGE CARDS

Cut out cards and laminate. Pack in a bag with bricks.



START WITH 10 RED BRICKS  
ADD 5 BLUE BRICKS  
TAKE AWAY 1 RED BRICK  
How many bricks do you have?

START WITH 15 RED BRICKS  
ADD 4 BLUE BRICKS  
TAKE AWAY 6 RED BRICKS  
How many bricks do you have?

START WITH 10 GREEN BRICKS  
ADD 5 BLUE BRICKS  
TAKE AWAY 1 RED BRICK  
How many bricks do you have?

START WITH 10 RED BRICKS  
ADD 5 BLUE BRICKS  
TAKE AWAY 1 RED BRICK  
How many bricks do you have?

START WITH 10 RED BRICKS  
ADD 5 BLUE BRICKS  
TAKE AWAY 1 RED BRICK  
How many bricks do you have?

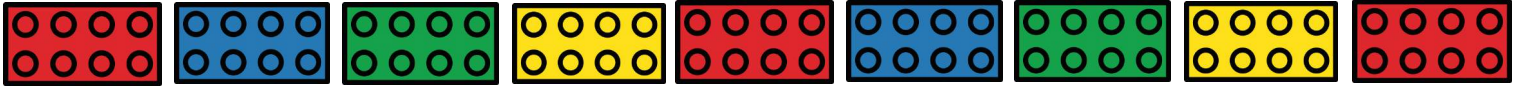
START WITH 10 RED BRICKS  
ADD 5 BLUE BRICKS  
TAKE AWAY 1 RED BRICK  
How many bricks do you have?

START WITH 10 RED BRICKS  
ADD 5 BLUE BRICKS  
TAKE AWAY 1 RED BRICK  
How many bricks do you have?

START WITH 10 RED BRICKS  
ADD 5 BLUE BRICKS  
TAKE AWAY 1 RED BRICK  
How many bricks do you have?

# LEGO® MATH CHALLENGE CARDS

Cut out cards and laminate. Pack in a bag with bricks.



START WITH 10 BRICKS

ADD 10 BRICKS

TAKE AWAY 5 BRICKS

How many bricks do you have?

START WITH 15 BRICKS

ADD 1 BRICK

TAKE AWAY 7 BRICKS

How many bricks do you have?

START WITH 15 BRICKS

ADD 4 BRICKS

TAKE AWAY 6 BRICKS

How many bricks do you have?

START WITH 9 BRICKS

ADD 10 BRICKS

TAKE AWAY 3 BRICKS

How many bricks do you have?

START WITH 10 BRICKS

ADD 8 BRICKS

TAKE AWAY 1 BRICK

How many bricks do you have?

START WITH 8 BRICKS

ADD 12 BRICKS

TAKE AWAY 4 BRICKS

How many bricks do you have?

START WITH 12 BRICKS

ADD 4 BRICKS

TAKE AWAY 2 BRICKS

How many bricks do you have?

START WITH 18 BRICKS

ADD 2 BRICKS

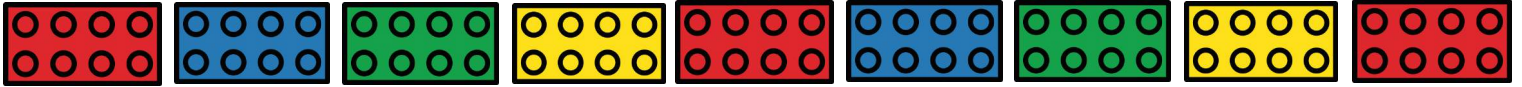
TAKE AWAY 10 BRICKS

How many bricks do you have?



# LEGO® MATH CHALLENGE CARDS

Cut out cards and laminate. Pack in a bag with bricks.



START WITH 10 BRICKS

TAKE AWAY 2 BRICKS

TAKE AWAY 5 BRICKS

How many bricks do you have?

START WITH 16 BRICKS

TAKE AWAY 6 BRICK

TAKE AWAY 8 BRICKS

How many bricks do you have?

START WITH 15 BRICKS

TAKE AWAY 4 BRICKS

TAKE AWAY 7 BRICKS

How many bricks do you have?

START WITH 9 BRICKS

TAKE AWAY 1 BRICK

TAKE AWAY 2 BRICKS

How many bricks do you have?

START WITH 10 BRICKS

TAKE AWAY 8 BRICKS

TAKE AWAY 2 BRICKS

How many bricks do you have?

START WITH 14 BRICKS

TAKE AWAY 9 BRICKS

TAKE AWAY 4 BRICKS

How many bricks do you have?

START WITH 20 BRICKS

TAKE AWAY 9 BRICKS

TAKE AWAY 3 BRICKS

How many bricks do you have?

START WITH 18 BRICKS

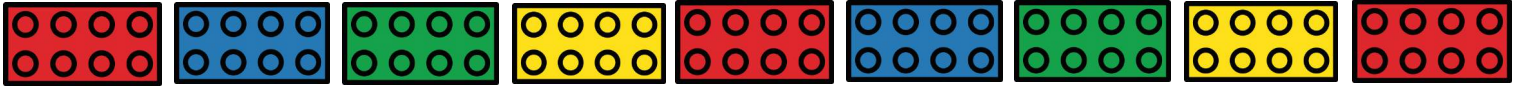
TAKE AWAY 2 BRICKS

TAKE AWAY 10 BRICKS

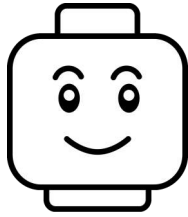
How many bricks do you have?

# LEGO® MATH CHALLENGE CARDS

Cut out cards and laminate. Pack in a bag with bricks.

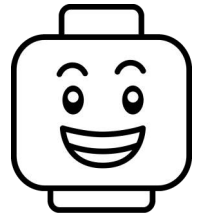


BUILD A TOWER  
WITH  
ALL THE BRICKS



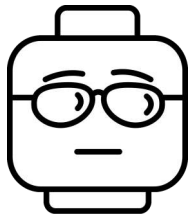
How many bricks do you have?

BUILD 2  
EVEN NUMBER  
TOWERS



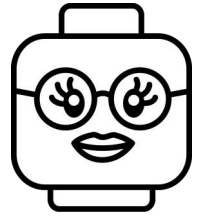
How many bricks do you have?

BUILD 2  
ODD NUMBER  
TOWERS



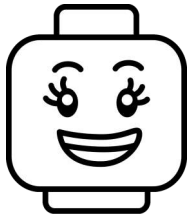
How many bricks do you have?

BUILD A TOWER  
WITH A  
REPEATING COLOR  
PATTERN



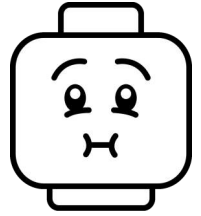
How many bricks do you have?

BUILD A TOWER  
WITH 3 NUMBERS



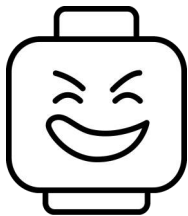
How many bricks do you have?

BUILD 5 TOWERS  
EACH WITH 10  
BRICKS TALL



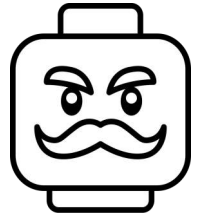
How many bricks do you have?

BUILD A TOWER  
WITH 20 BRICKS



How many bricks do you have?

BUILD A TOWER  
WITH 30 BRICKS  
AND 2 COLORS



How many bricks do you have?

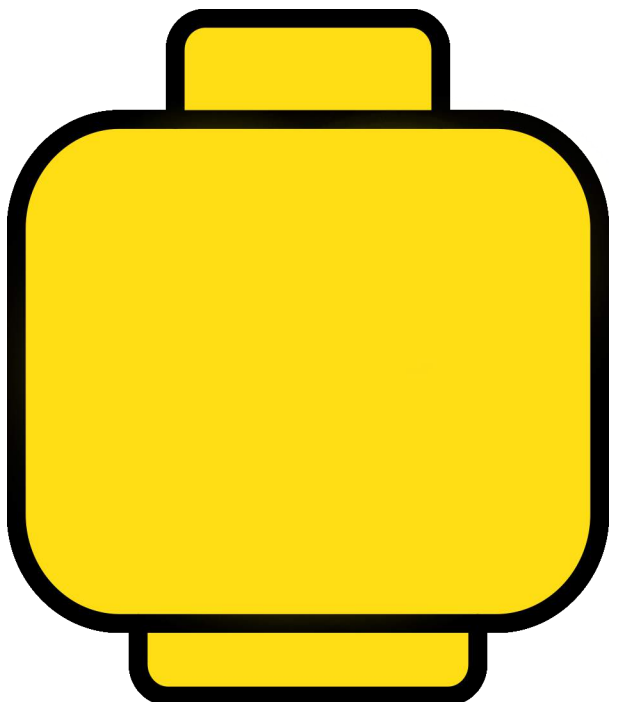
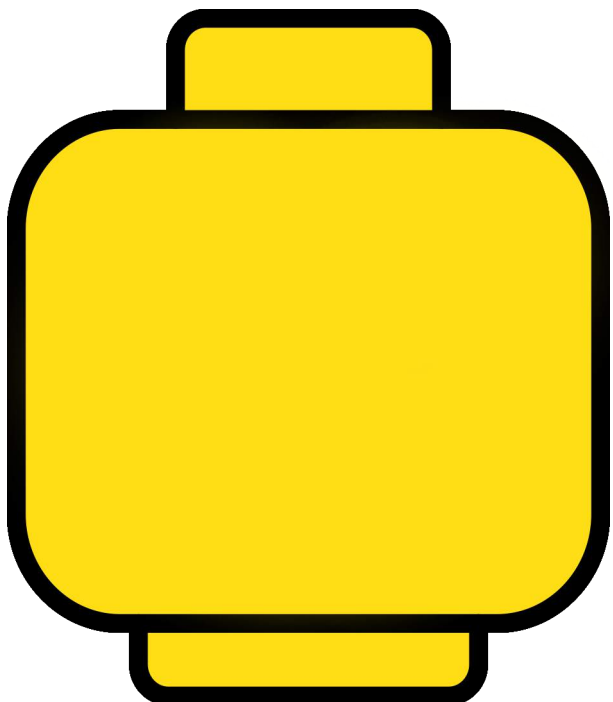
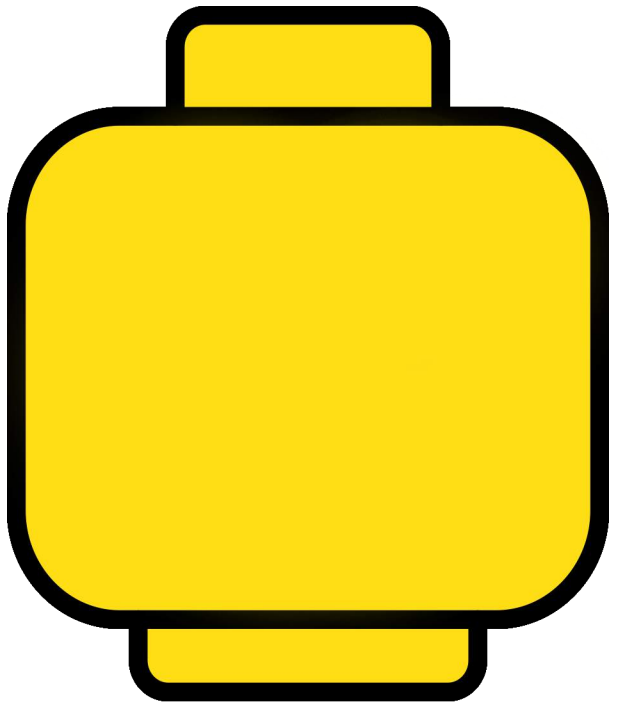
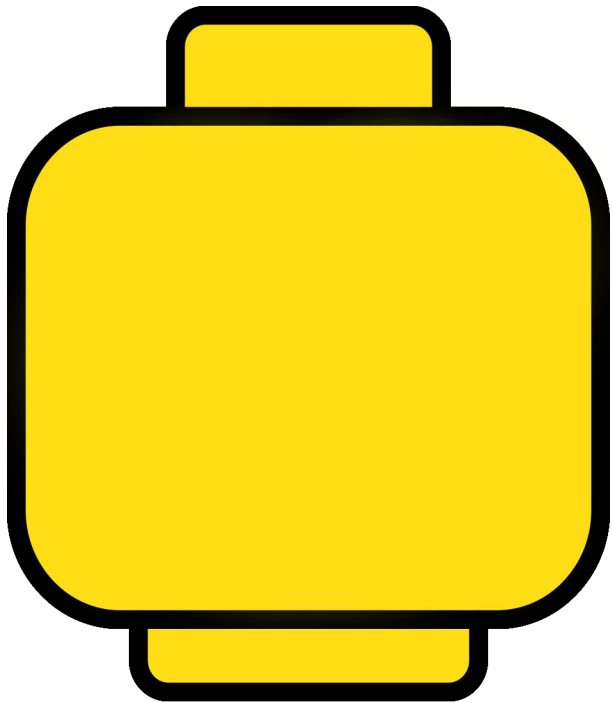
# LEGO® CHALLENGE CALENDAR

## 31 Days of Fun Ideas for Any Month!

<b>Day 1</b> Build Your Name or Initials	<b>Day 2</b> Build a Person with Moving Legs and Arms	<b>Day 3</b> Build a Catapult	<b>Day 4</b> Build a Robot	<b>Day 5</b> Build a House that Opens	<b>Day 6</b> Build a Boat that Floats	<b>Day 7</b> Build a 100 Brick Tower
<b>Day 8</b> Build a Box with a Lid	<b>Day 9</b> Build a Small World Scene	<b>Day 10</b> Write a Comic Strip for a Minifigure	<b>Day 11</b> Build a Model of Your Room	<b>Day 12</b> Build a Simple Machine	<b>Day 13</b> Build a Bridge that Can Hold Something Heavy	<b>Day 14</b> Build a Favorite Character
<b>Day 15</b> Make a Mosaic Using Flat Pieces on Baseplate	<b>Day 16</b> Draw a Design Make it with LEGO Bricks	<b>Day 17</b> Build Something to go with A Favorite Book	<b>Day 18</b> Build a Swimming Pool for a Minifigure	<b>Day 19</b> Build with Eyes Closed for 5 Minutes	<b>Day 20</b> Build a Pyramid	<b>Day 21</b> Build a Marble Run
<b>Day 22</b> Draw a Play Mat And A LEGO	<b>Day 23</b> Learn Paper Football and Build a Goal	<b>Day 24</b> Have a Minifigure Building Race	<b>Day 25</b> Build a Marble Maze	<b>Day 26</b> Try to Sink a Minifigure	<b>Day 27</b> Build a Zip Line	<b>Day 28</b> Make Your Own LEGO Skittles Game
<b>Day 29</b> Build a Parachute for a Minifigure	<b>Day 30</b> Build a Car Attach a Marker and Draw	<b>Day 31</b> Ask for a Bin of Soapy Water Wash LEGO!				

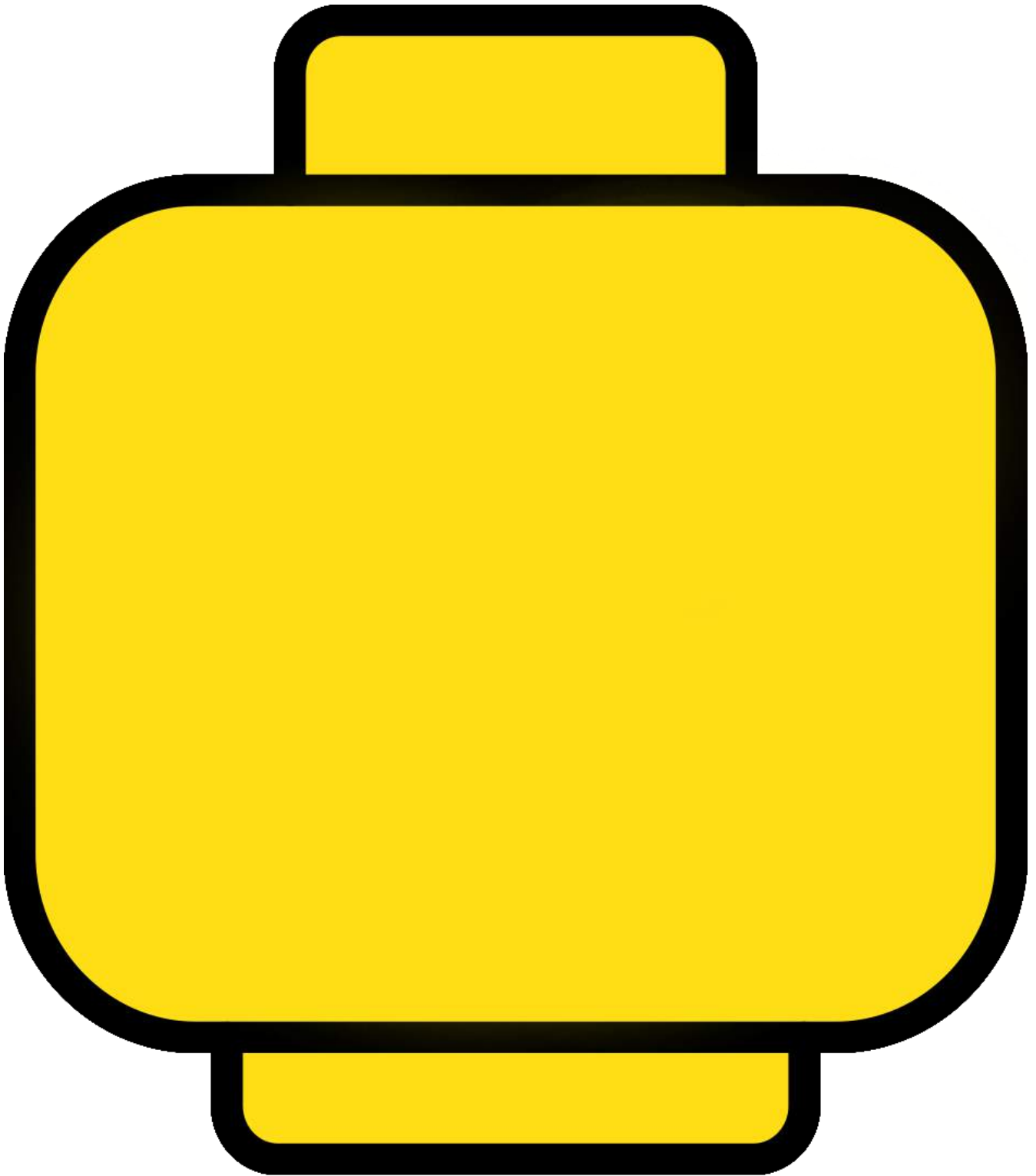
# Minifigure emotions

DRAW YOUR FAVORITE MINIFIGURE FACE



# Minifigure emotions

DRAW YOUR FAVORITE MINIFIGURE FACE





Build A Tower  
as tall as you can

Build something with  
your eyes closed  
in 5 minutes

Build a House Pet

Build a Farm Animal

Build a Wild Animal

Build a Dinosaur

Build A Tower  
with 25 Bricks

Build Anything  
with 25 Bricks

Build A Tower  
with 50 Bricks

Build Anything  
with 25 Bricks

Build A Tower  
with 100 Bricks

Build Anything  
with 25 Bricks

Build a Spider

Build A Creature  
That Swims

Build A Creature  
That Flies

Build A Creature  
That Slithers

Build A Make  
Believe Animal

Build the Arctic Biome

Build An  
Ocean Biome

Build A  
Savannah Biome

Build A Desert Biome

Build a Forrest Biome

Build a Tropical Biome

Build a Tundra Biome



Build A Park

Build A Garden

Build A Mountain

Build A Playground

Build A Friend

Build Yourself



Build Your Family

Build A Super Hero

Build Your Classroom

Build A City or Town

Build A Castle

Build A Farm

Build A Dream House

Build A Swimming  
Pool. Does it  
hold water?

Build A Kitchen

Build Your  
Favorite Foods

Use Bricks To Design A  
Floor Plan of A House

Build A Car  
(Can You Make it Go?)

Build A Boat  
(Can You Make it

Build An Airplane

Build a Helicopter

Build A Rocket

Build a Bridge

Build A Landmark



Build Your  
Country's Flag

Build Your  
Name in Bricks

Build Your Birthday  
Month and Date  
Numbers In Bricks

Build Your Age

Tell A Story With Bricks  
(Build Different Props That  
Tell A Complete Story)

Build A Scene  
From A Favorite Book  
(Or Something That Represents A  
Part In Your Favorite Book)

Build A Rainbow

Build Hearts

Build a Flower

Build a Butterfly

Build Easter Eggs

Build A Shamrock

Build A Calendar  
(Use a Dry Erase Marker To  
Write In Numbers}


Build A Container To  
Hold Pencils Or Pens

Build Apples  
and Pumpkins

Build a Jack O'  
Lantern, Ghost, or  
Halloween Idea

Build A Playing Card

Build a Holder for  
Card Games



Build Your Favorite  
Store or Place  
(library, bakery, etc)

Build a Bank  
for Your Coins

Build Your House

Build a Garage  
for Hot Wheels Cars

Build Your Bedroom  
(with Furniture)

Use Bricks To Measure  
the Length & Width of  
A Room In Your House

Build Your Favorite  
Characters

Create and Build a  
Board Game

Make a LEGO Wall

Build a LEGO Volcano  
(then have it erupt!)

Make a Zip Line  
(need some string)

Build a Fidget Toy



Build a Fidget Toy

Build a Spinning Top

Build a Catapult

Build a Snow Scene

Build a Spring Scene

Build a Summer  
Scene

Build a Fall Scene

Build the Layers  
of the Earth

Build the Soil Layers

Build a Birthday Cake

Build a Battle Scene  
from History

Build a Famous  
Work of Art

Build A Vase  
For Flowers

Build Something  
Symmetrical

Build Something  
Repeating A Pattern

Build Something To  
Solve A Problem

Build A Machine  
To Make Something

Build A Maze

Build A Robot

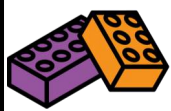
Build Something That  
Lights Up (Use a Battery  
Operated Tea Light)

Build a Tessellation  
Puzzle Idea

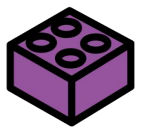
Build Creations for  
Shadow Drawings

Build a Graph  
To Show Pi

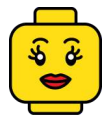
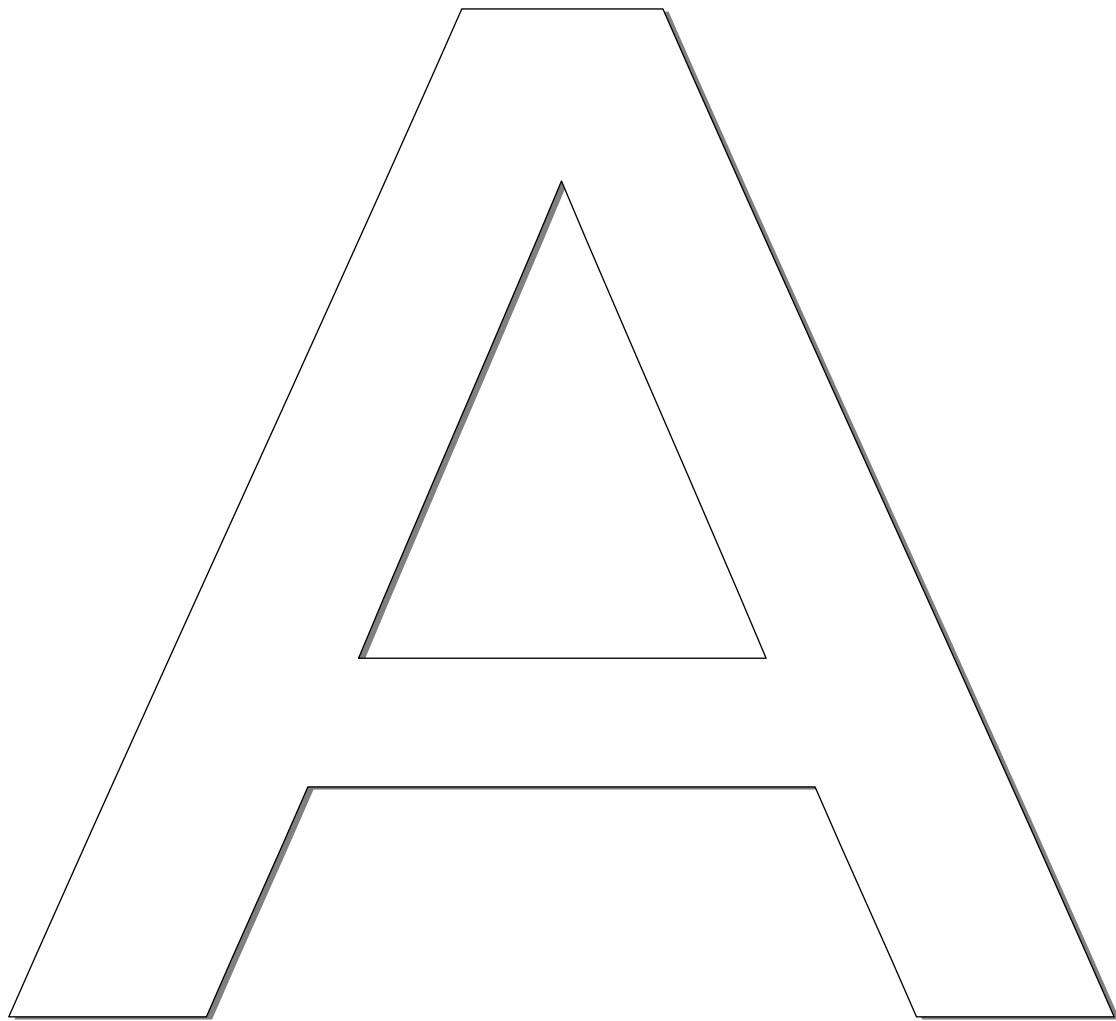
Use Bricks to  
make Sun Prints



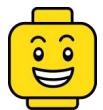
# LEGO® ALPHABET



Use your bricks to form the letters! Can you build the letter?



Trace the Letter!

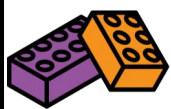


Write the Letter!

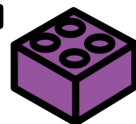
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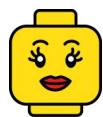
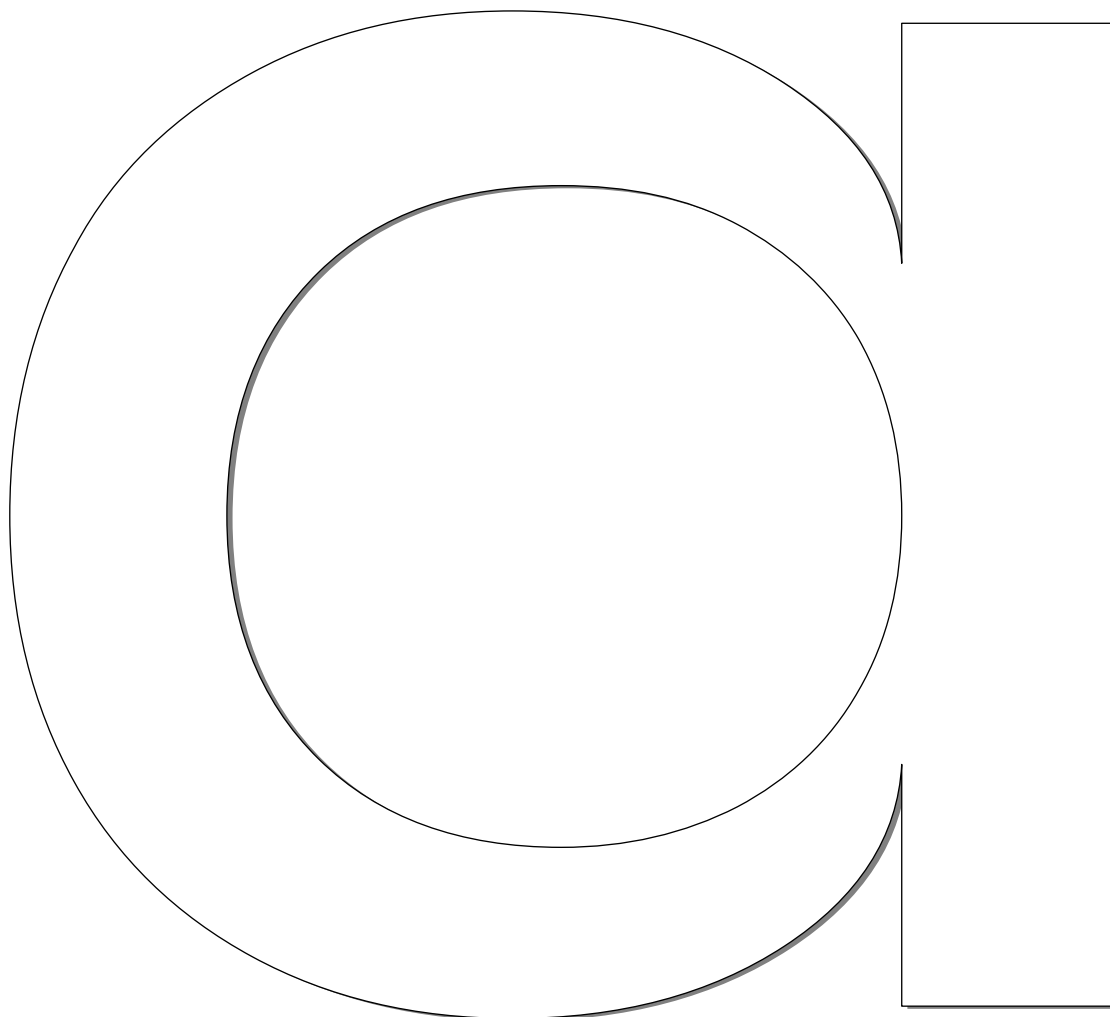




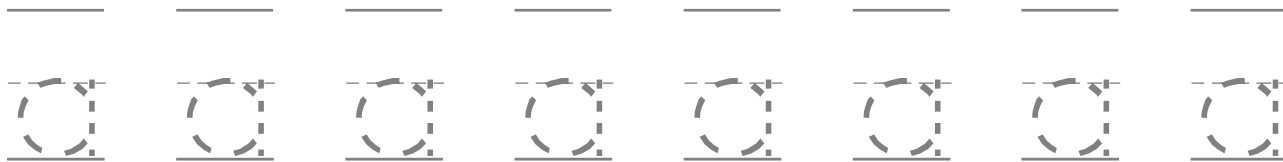
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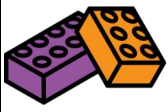
Trace the Letter!



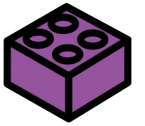
Write the Letter!

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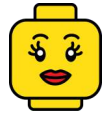
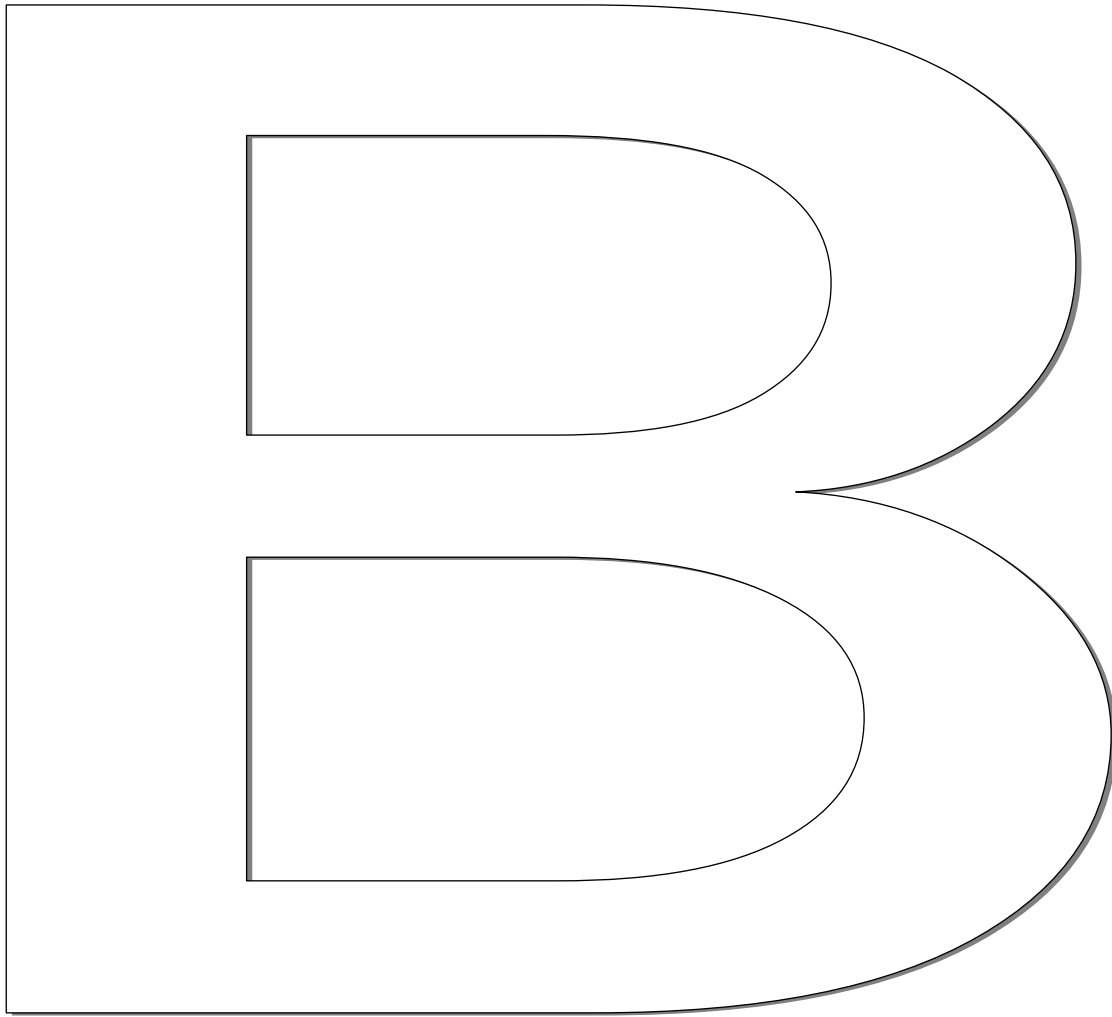
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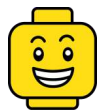
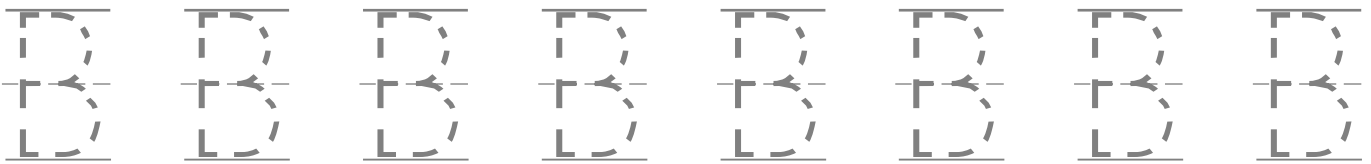
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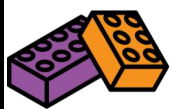
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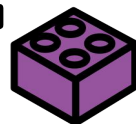
Write the Letter!

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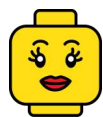
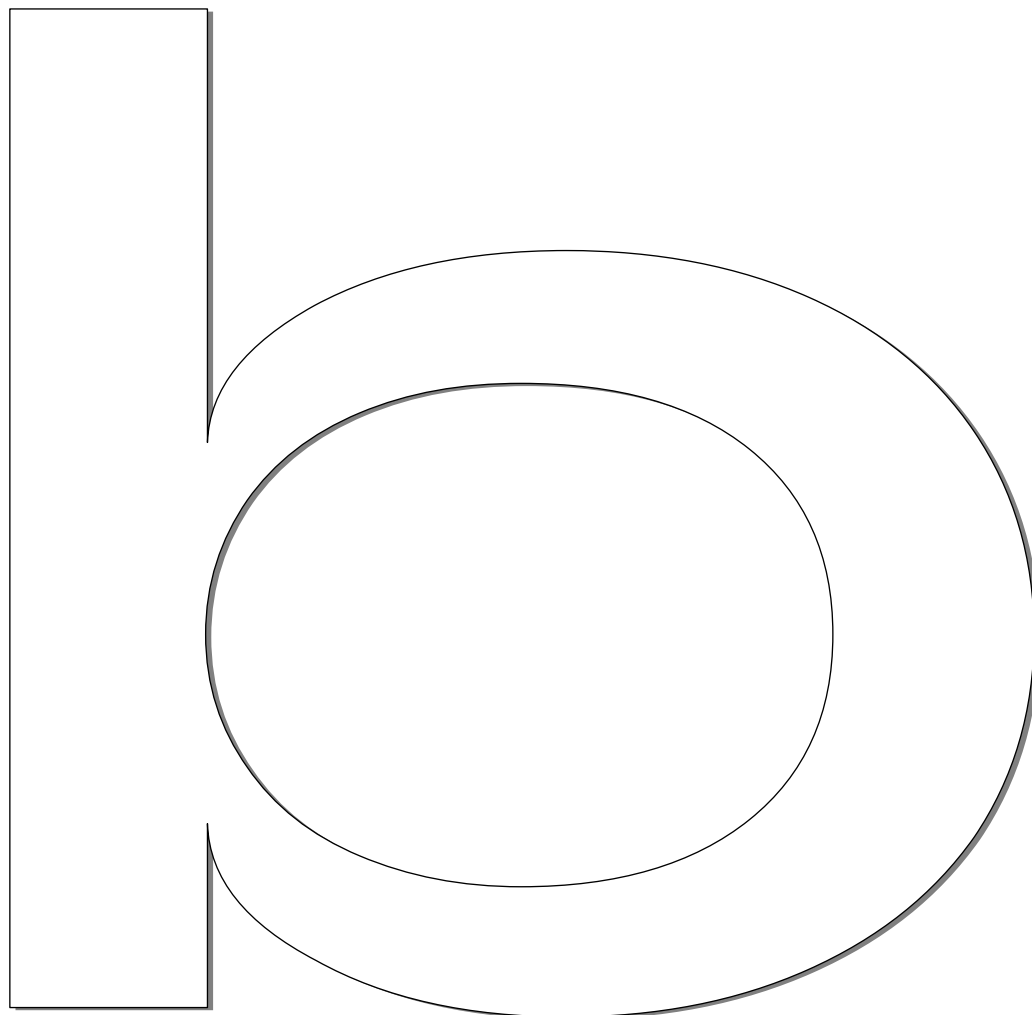
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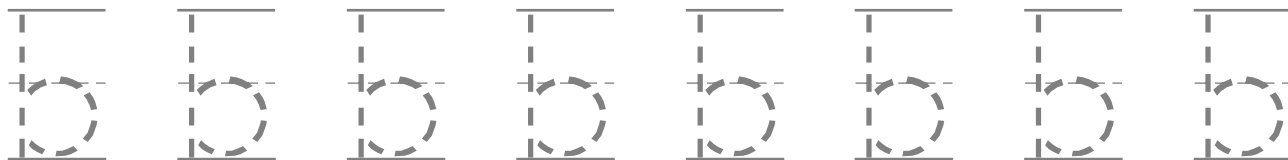
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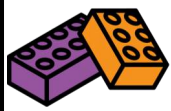
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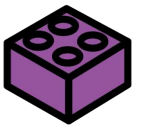
Write the Letter!

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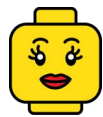
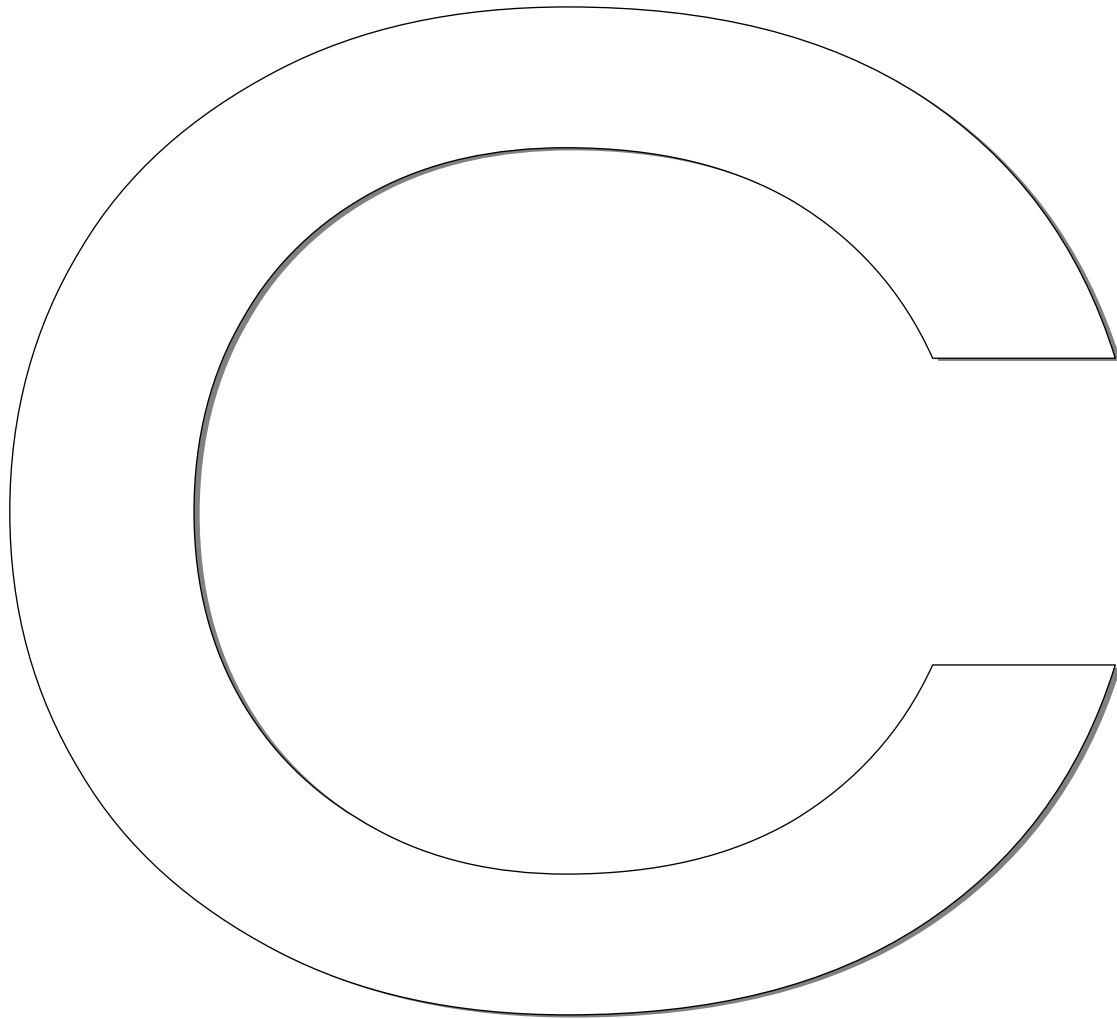
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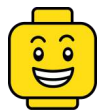
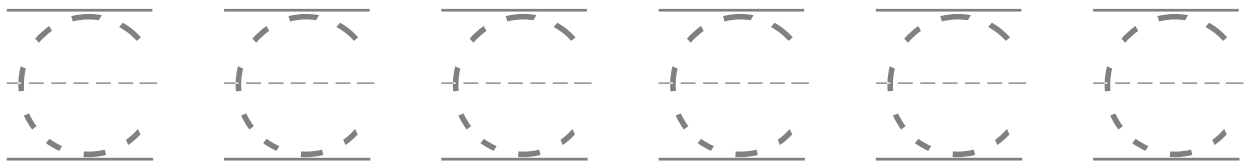
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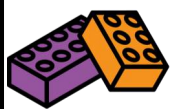
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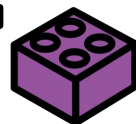
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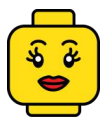
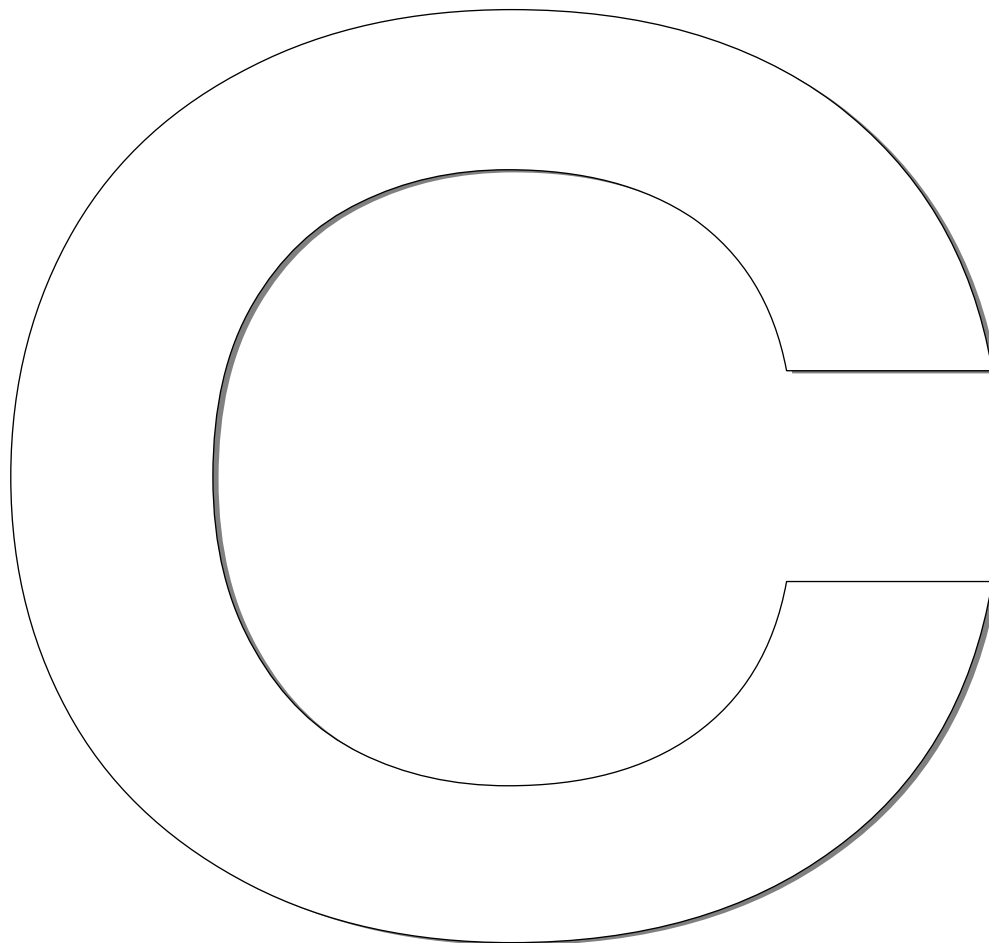
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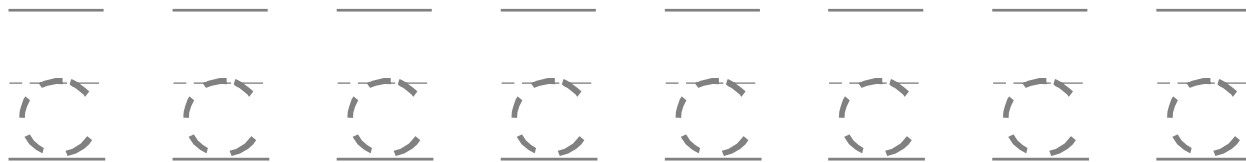
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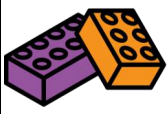


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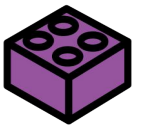
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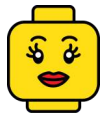
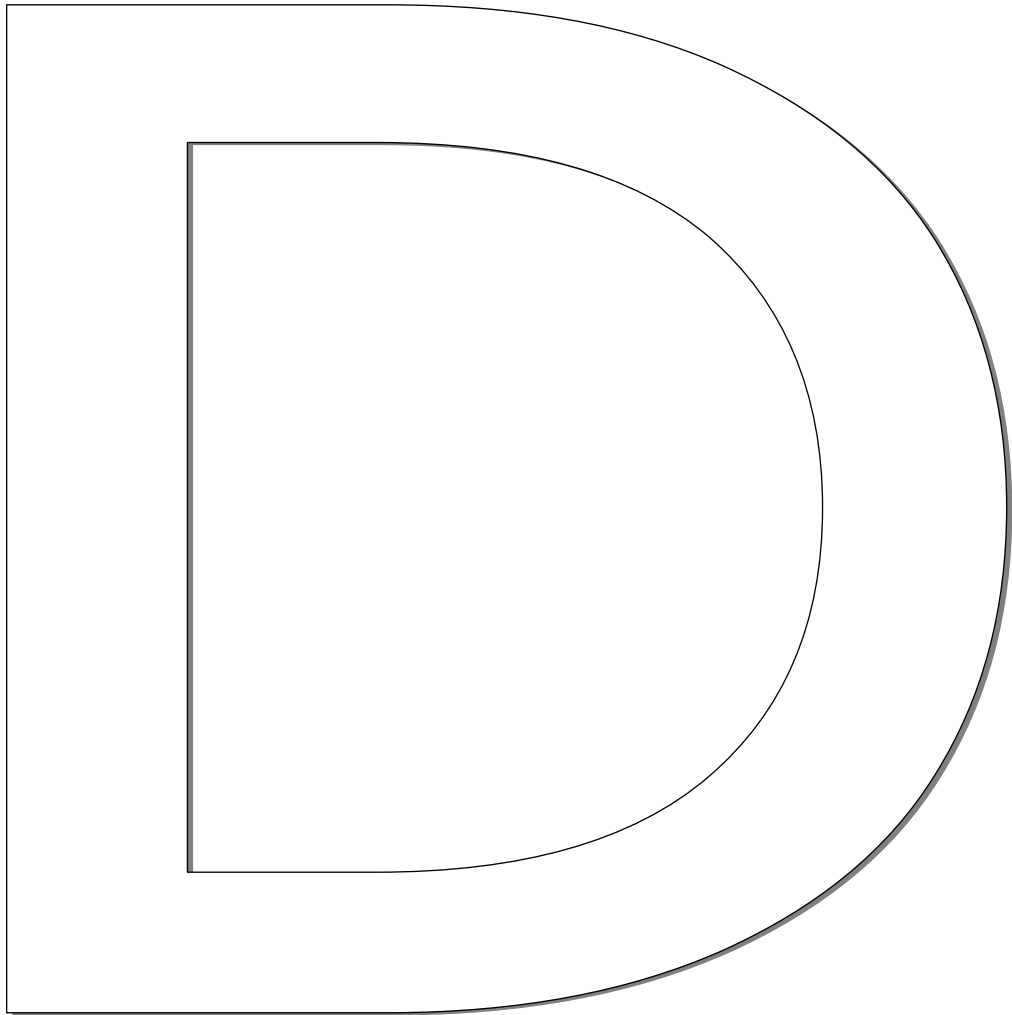




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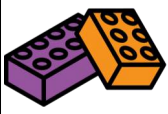
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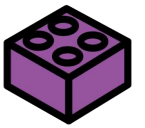
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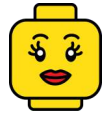
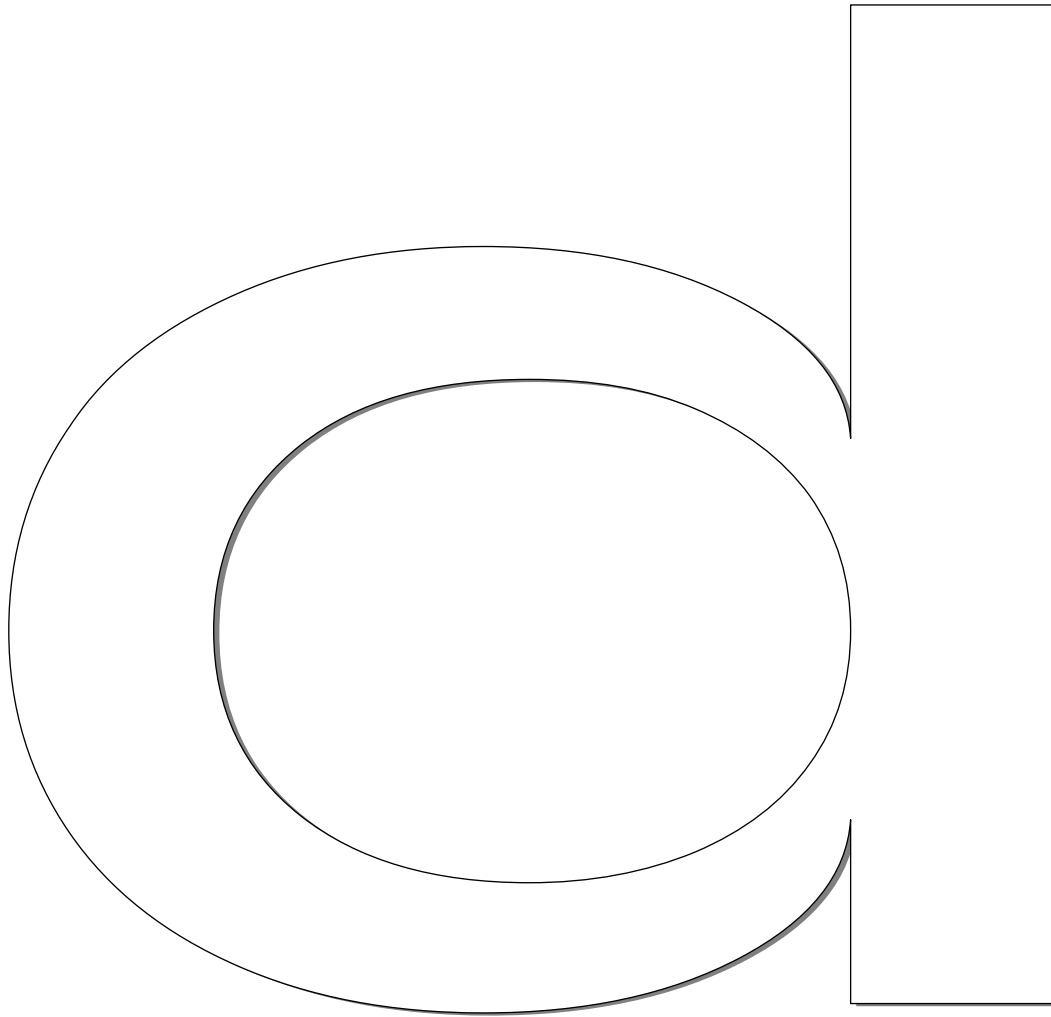
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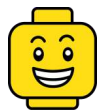
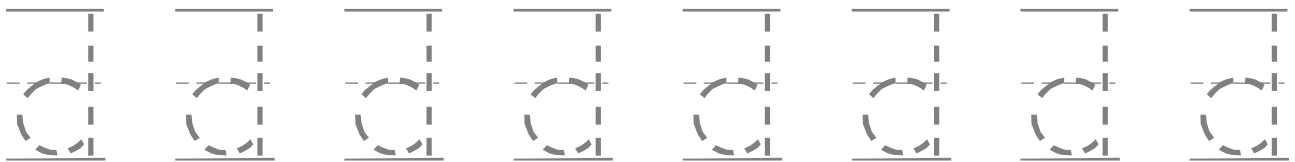
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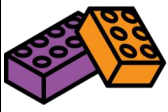
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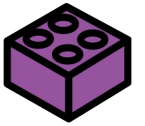
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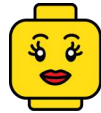
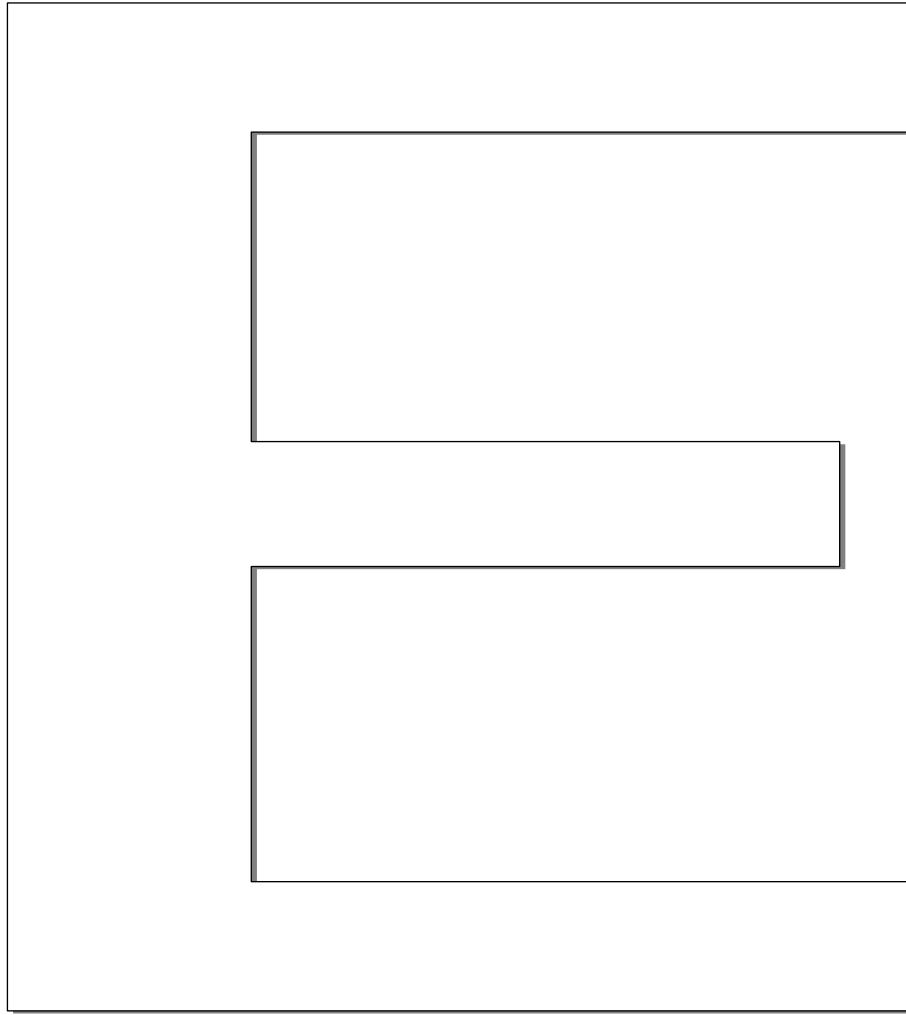
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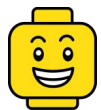
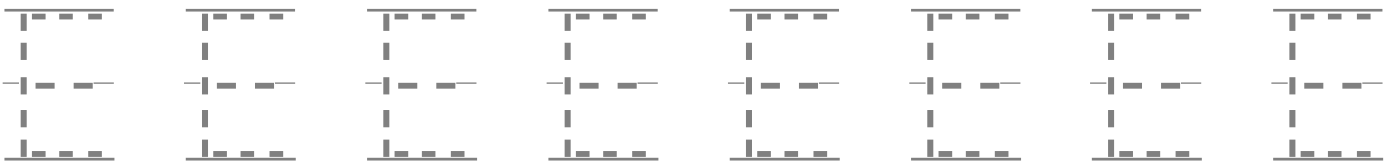
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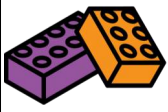
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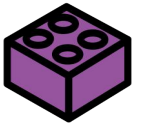
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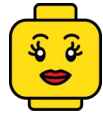
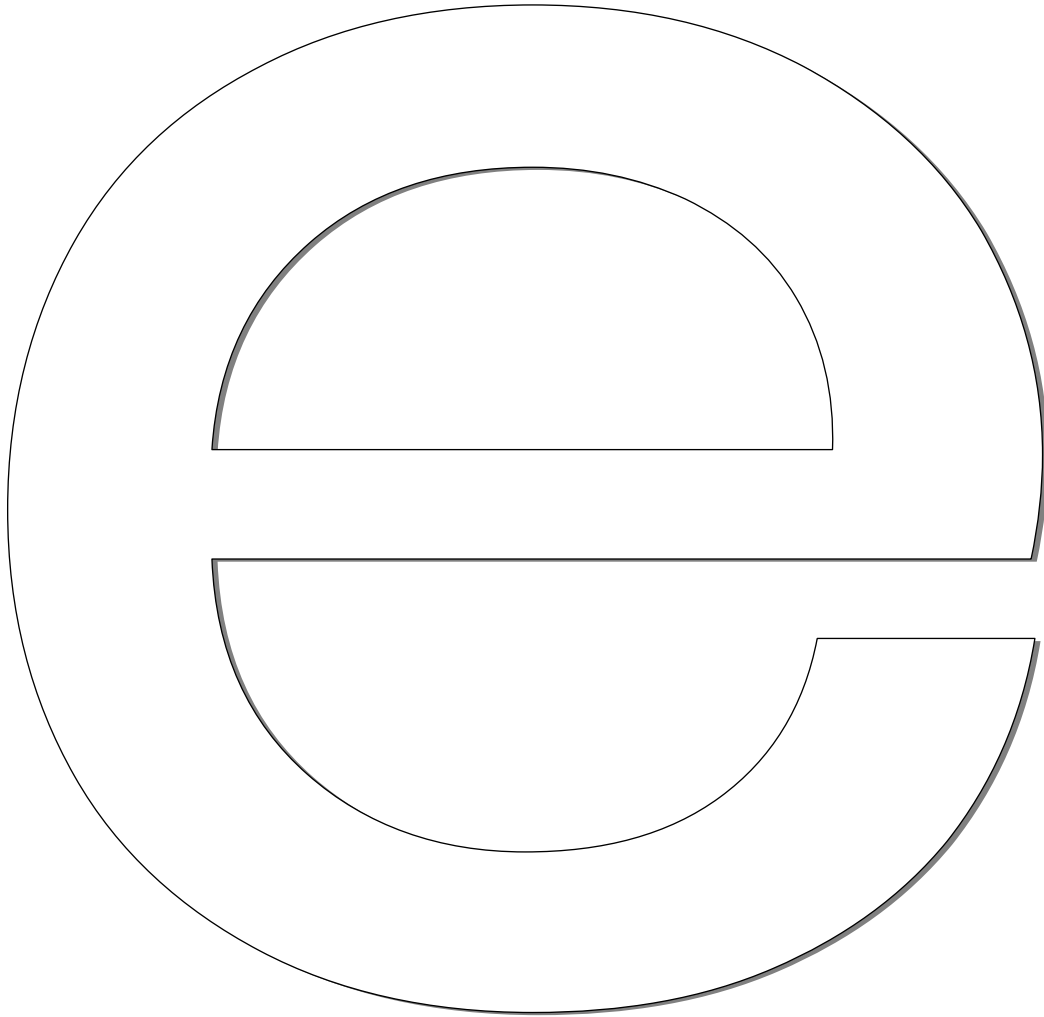
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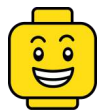
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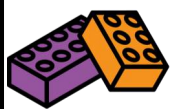
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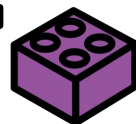
Write the Letter!

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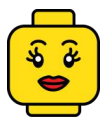
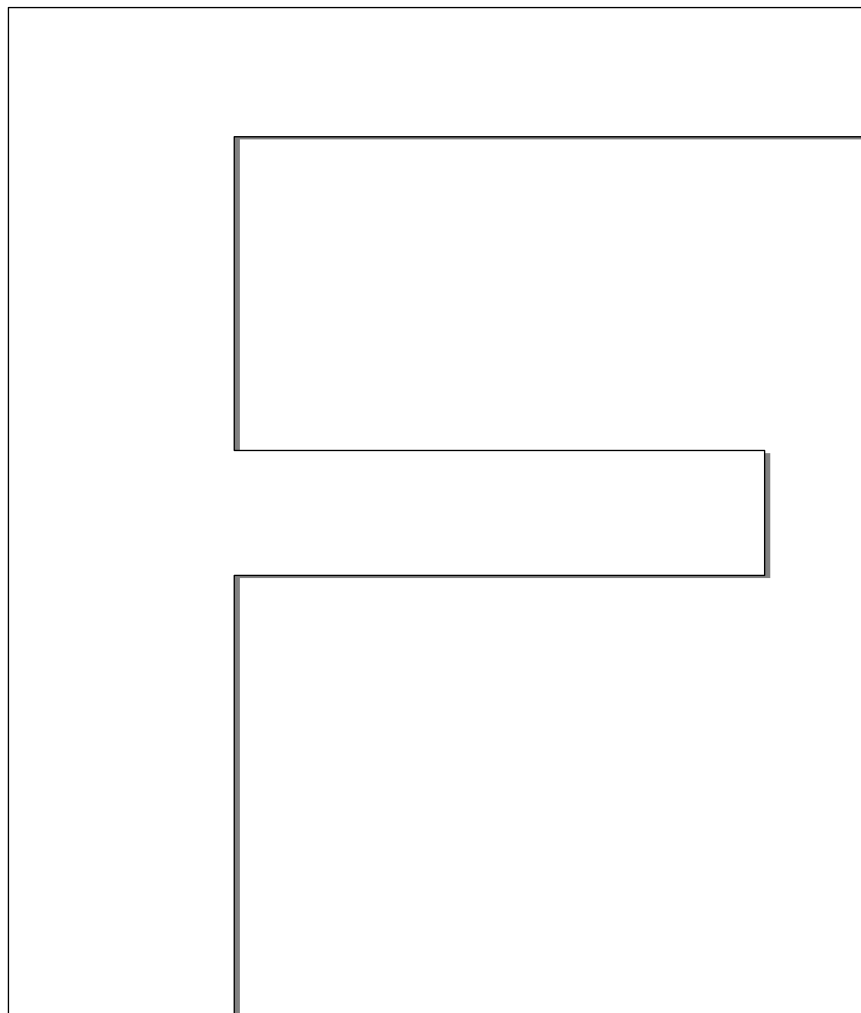
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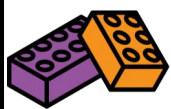


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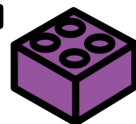
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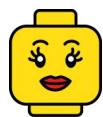
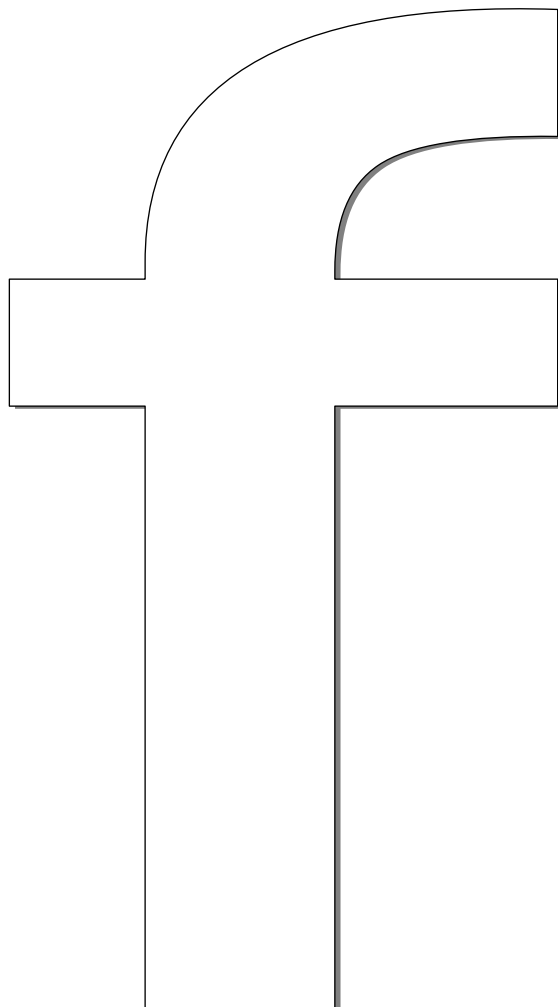




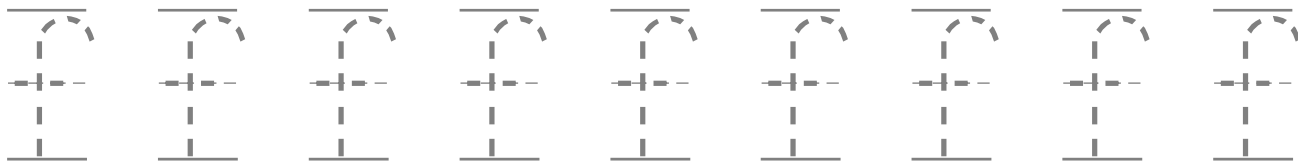
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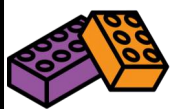
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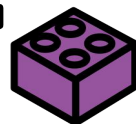
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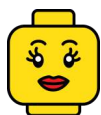
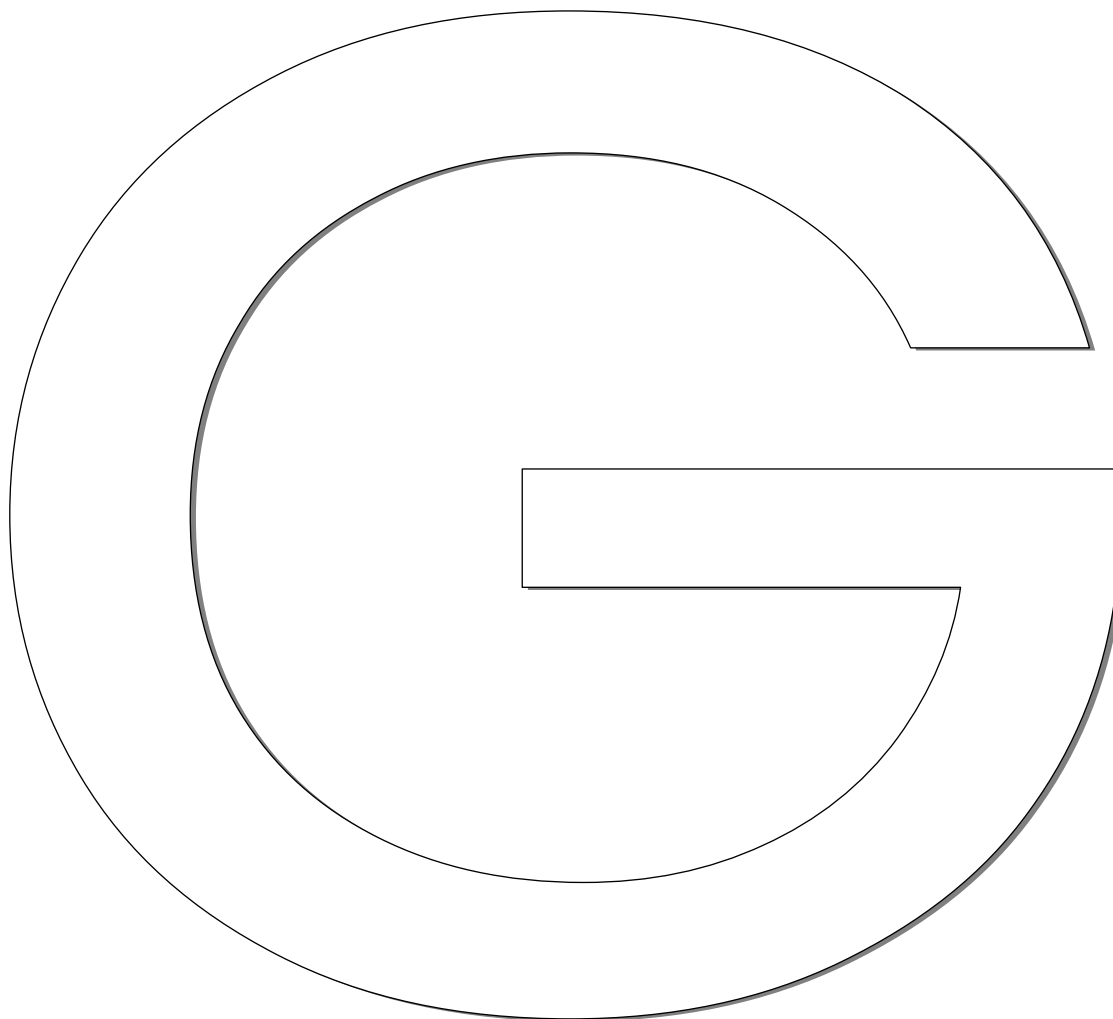
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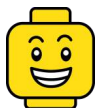
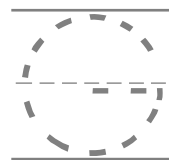
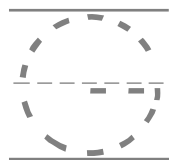
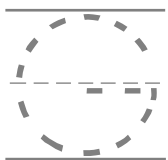
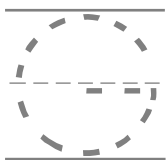
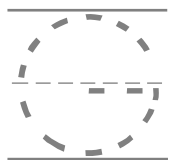
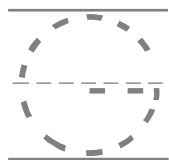
# LEGO® ALPHABET



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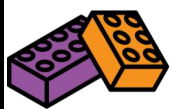
Trace the Letter!



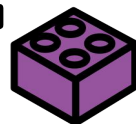
Write the Letter!

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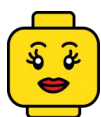
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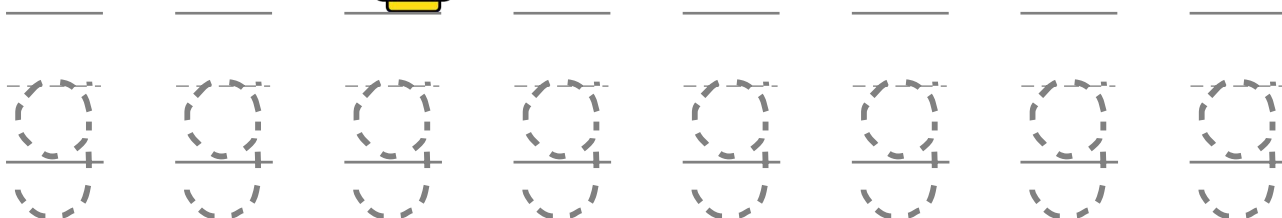
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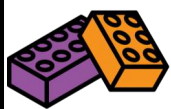
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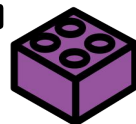
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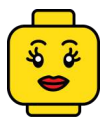
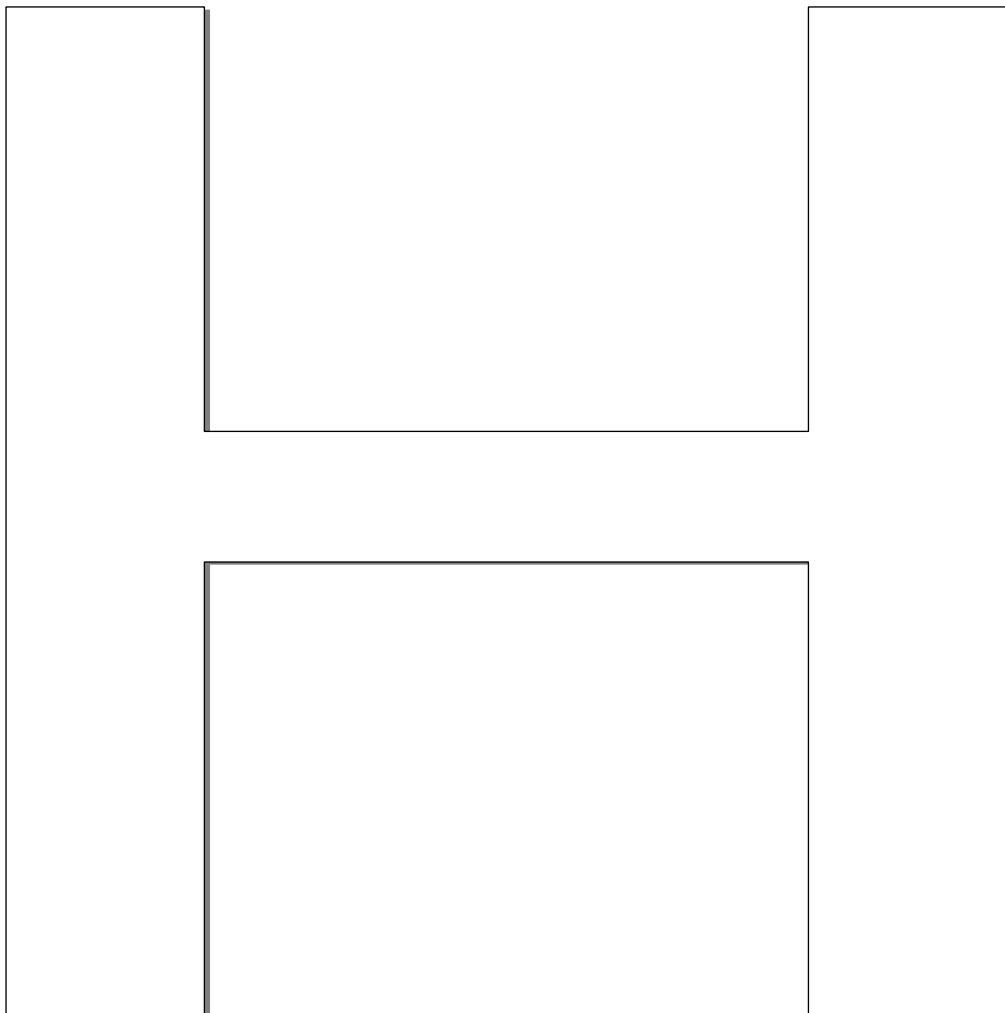
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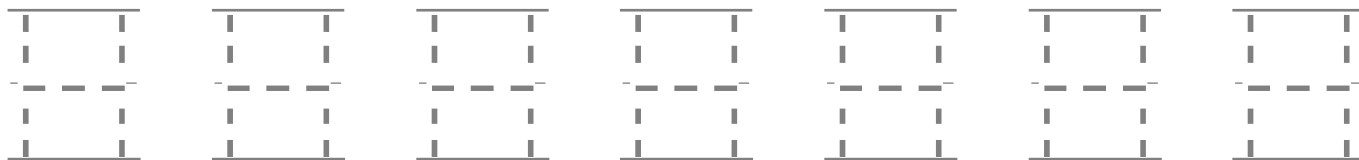
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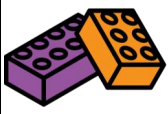
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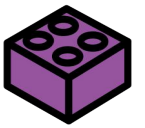
Write the Letter!

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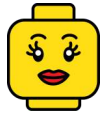
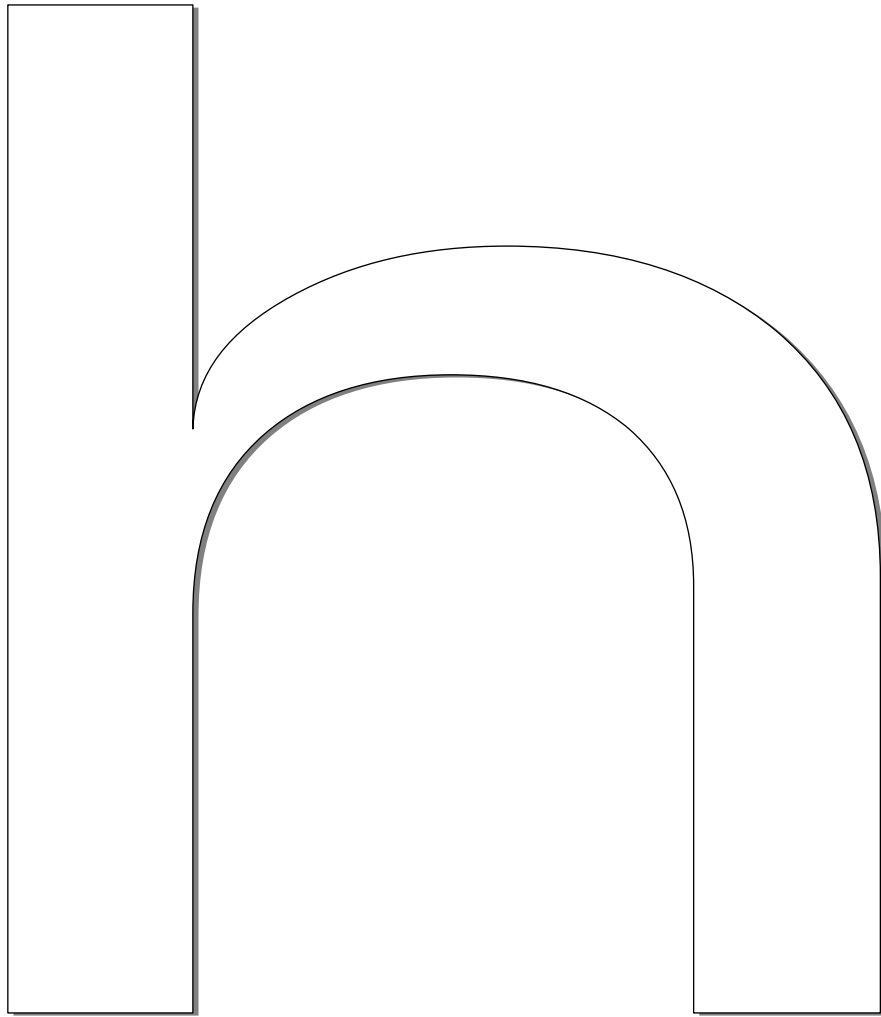
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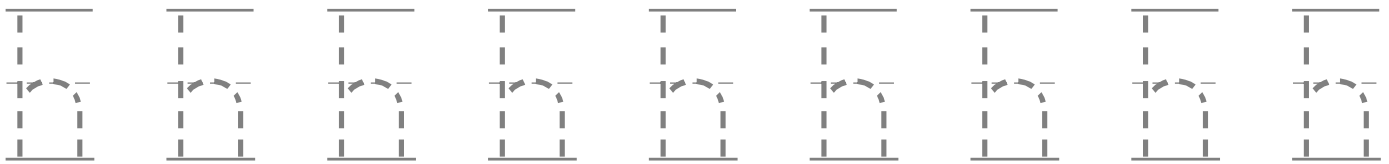
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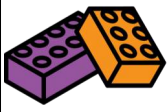
Trace the Letter!



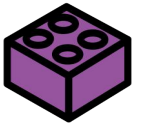
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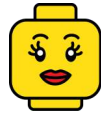
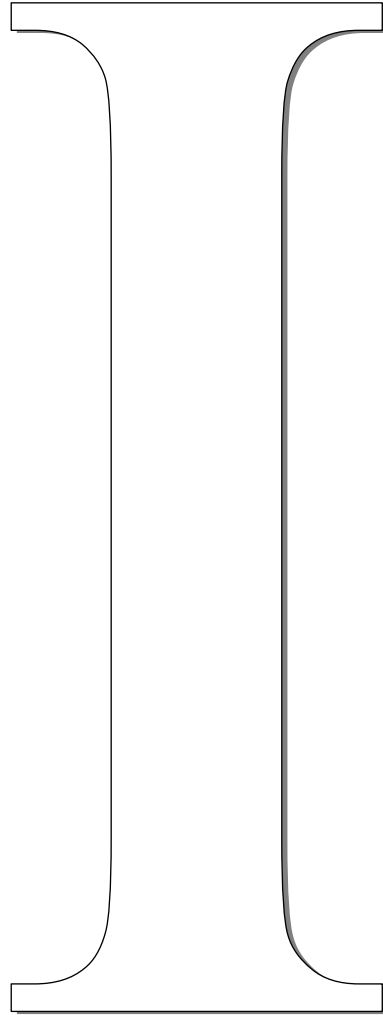
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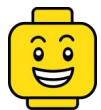
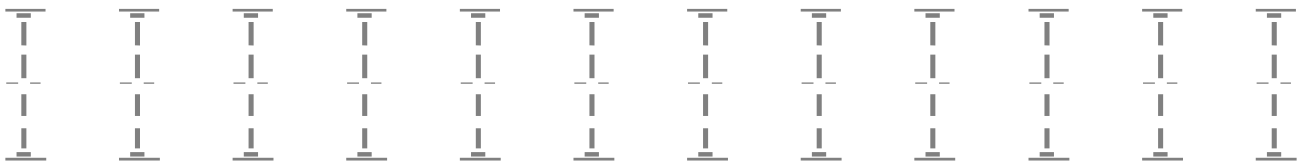
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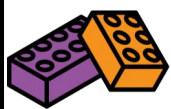


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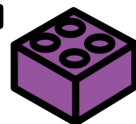
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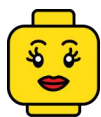
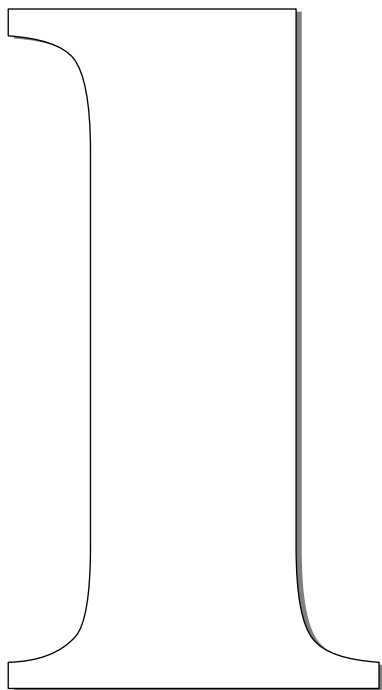
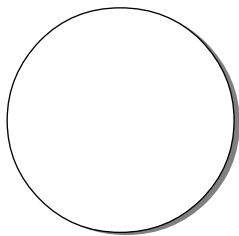




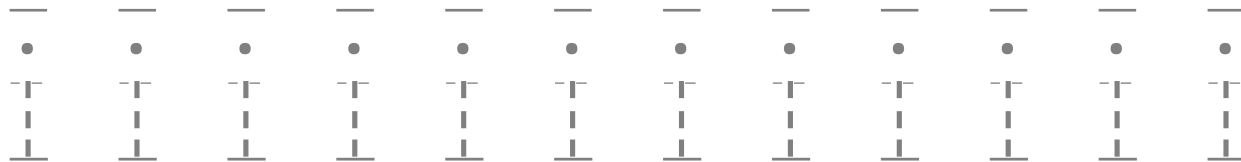
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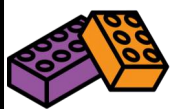
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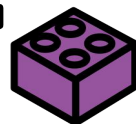
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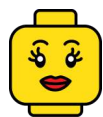
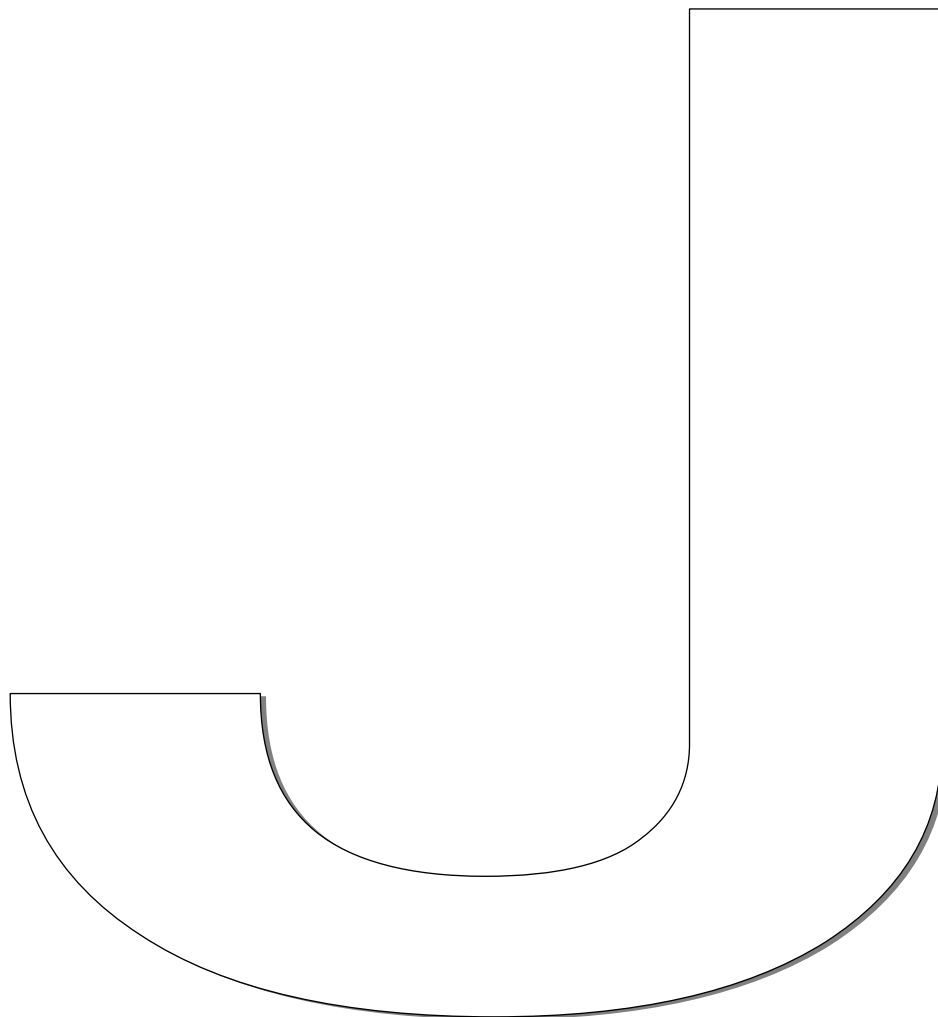
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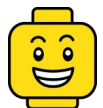
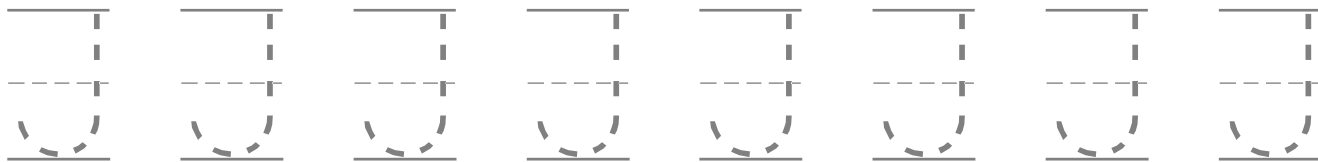
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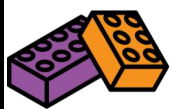
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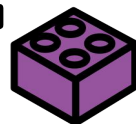
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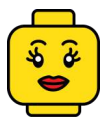
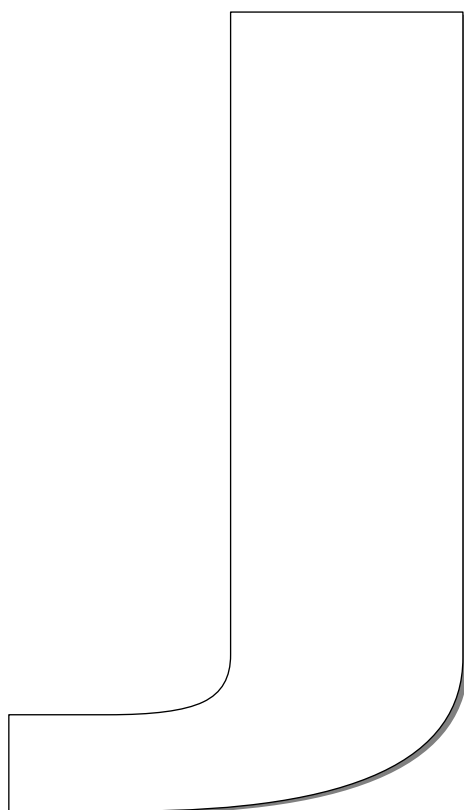
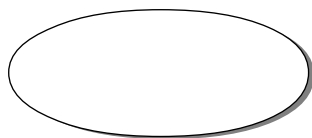
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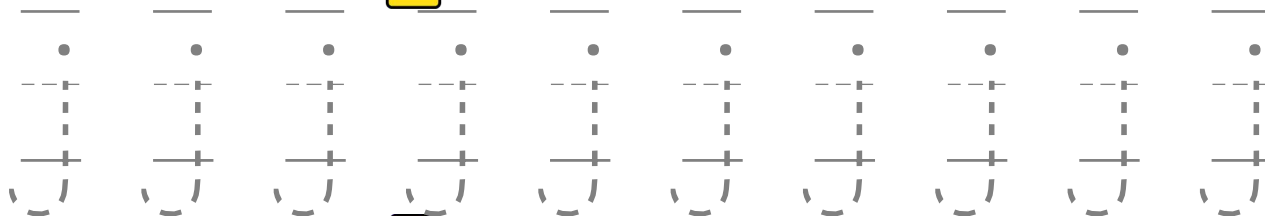
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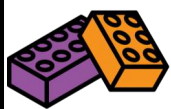
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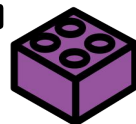
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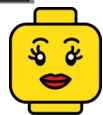
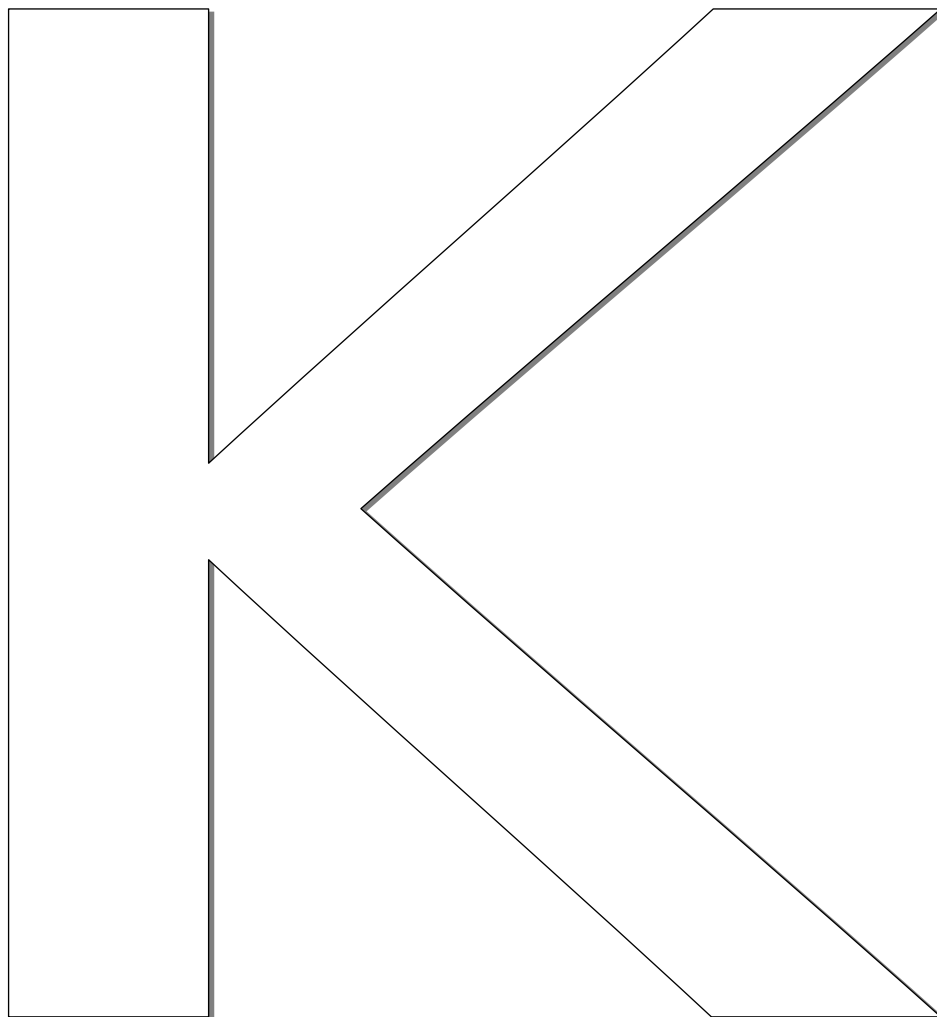
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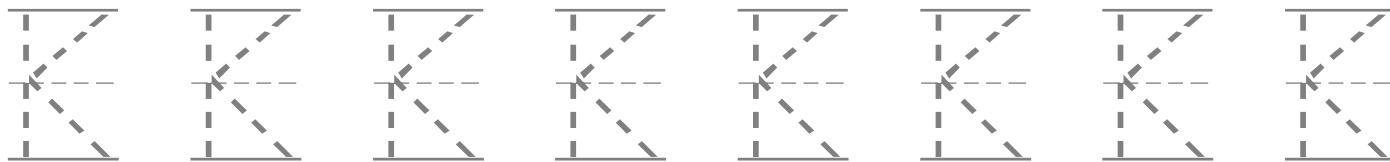
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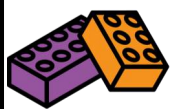
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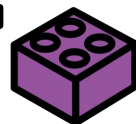
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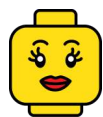
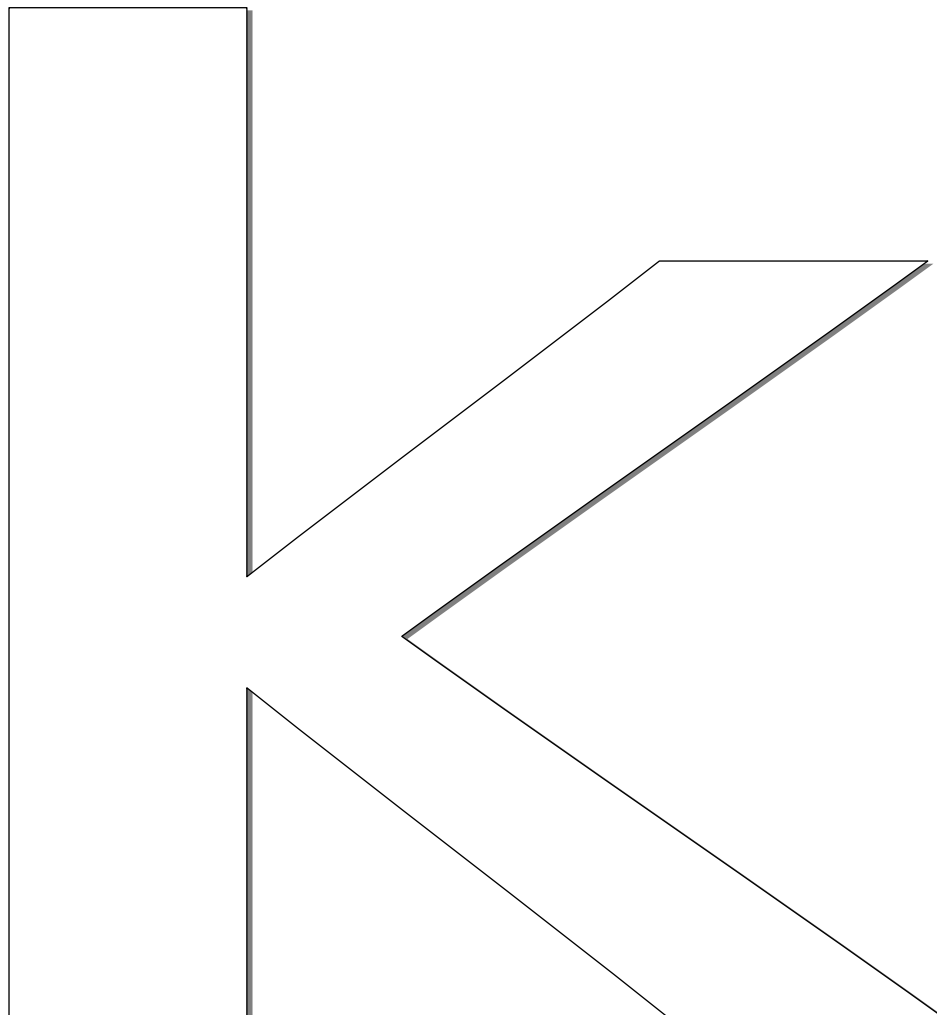
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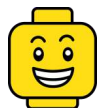
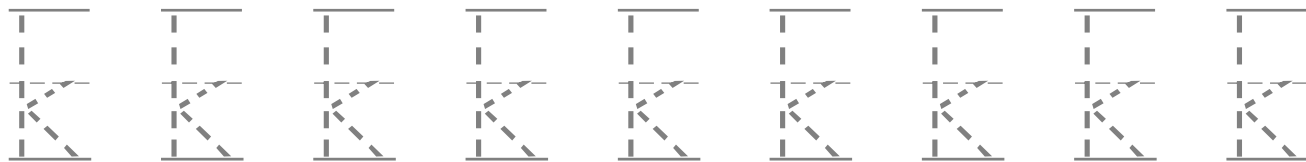
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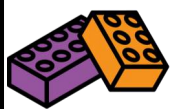
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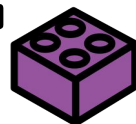
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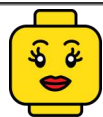
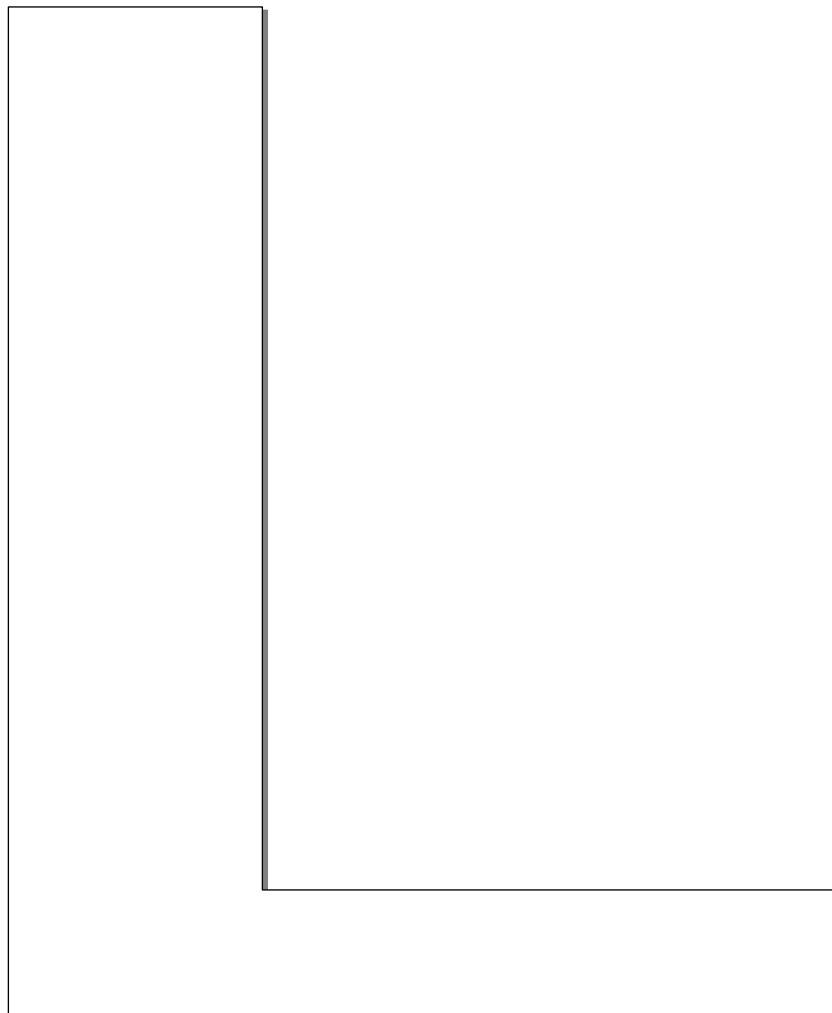
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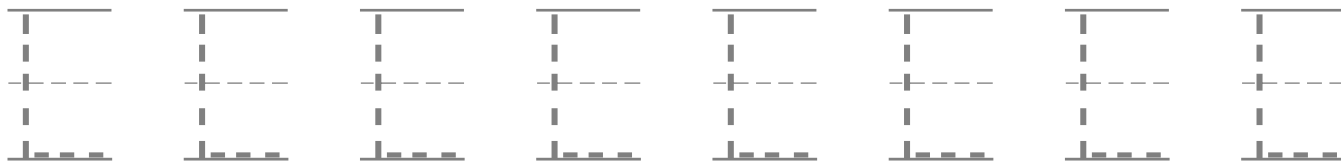
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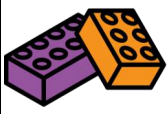


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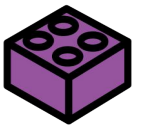
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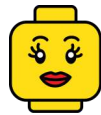
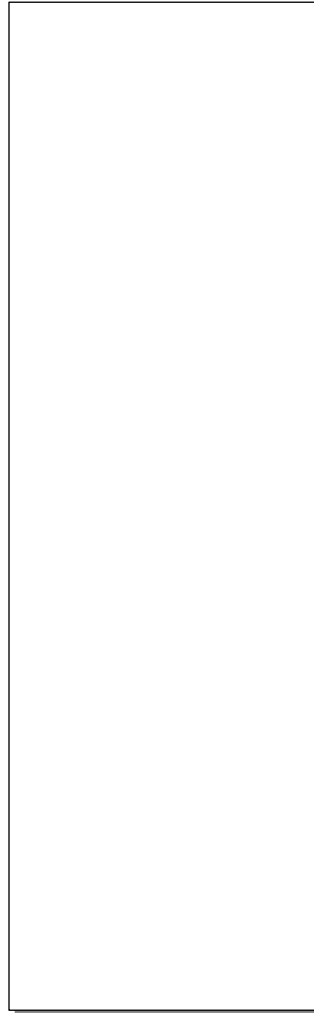




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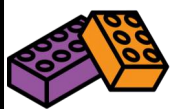
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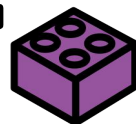
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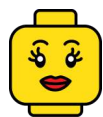
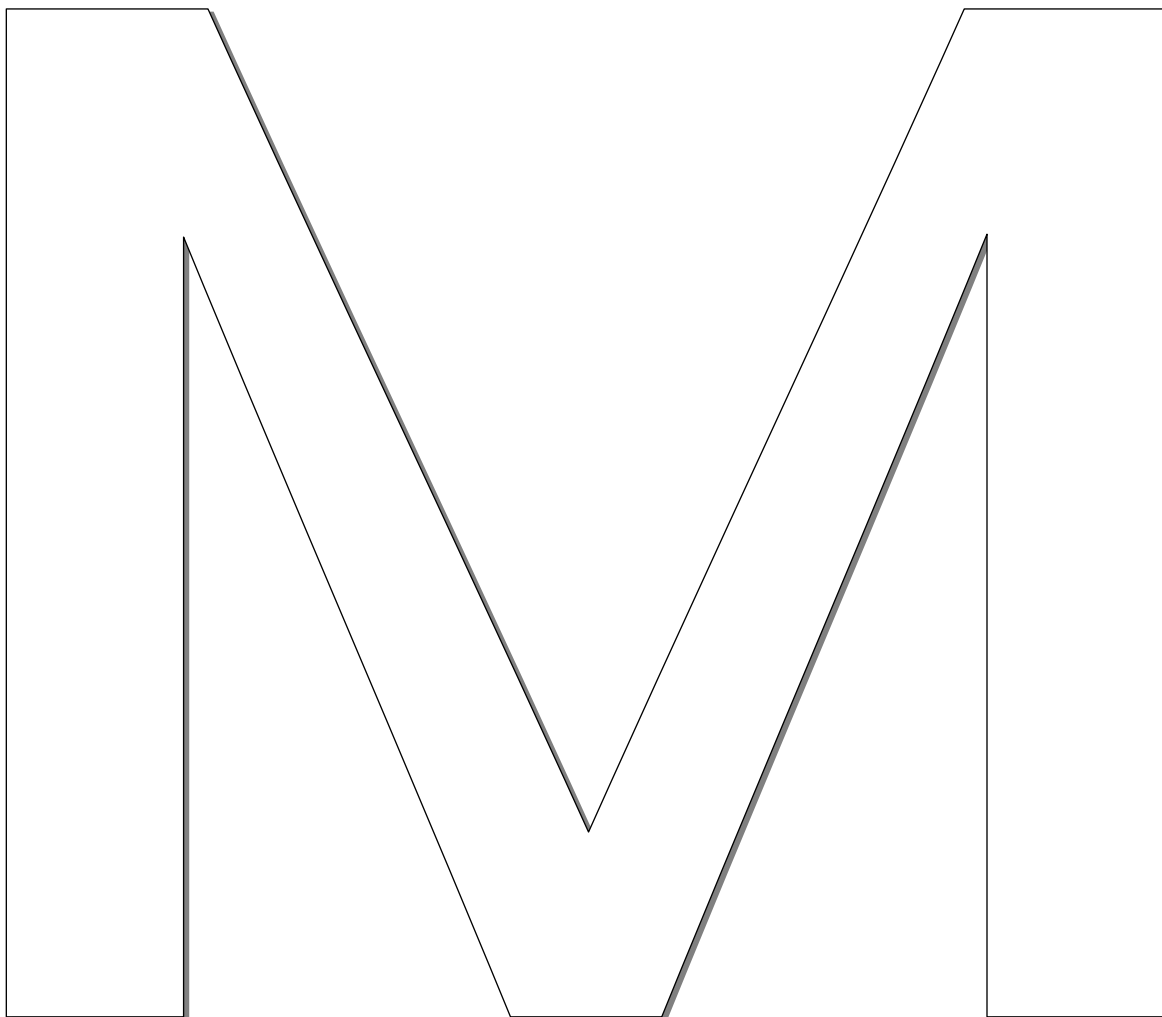
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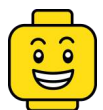
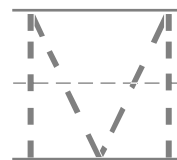
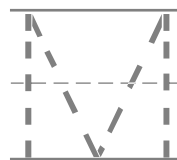
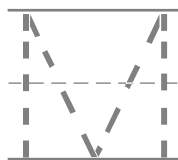
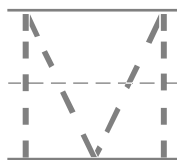
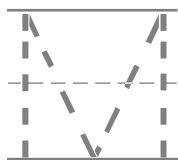
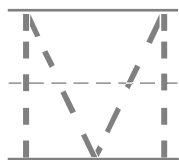
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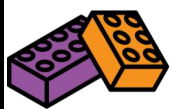
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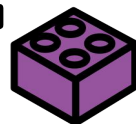
Write the Letter!

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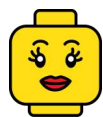
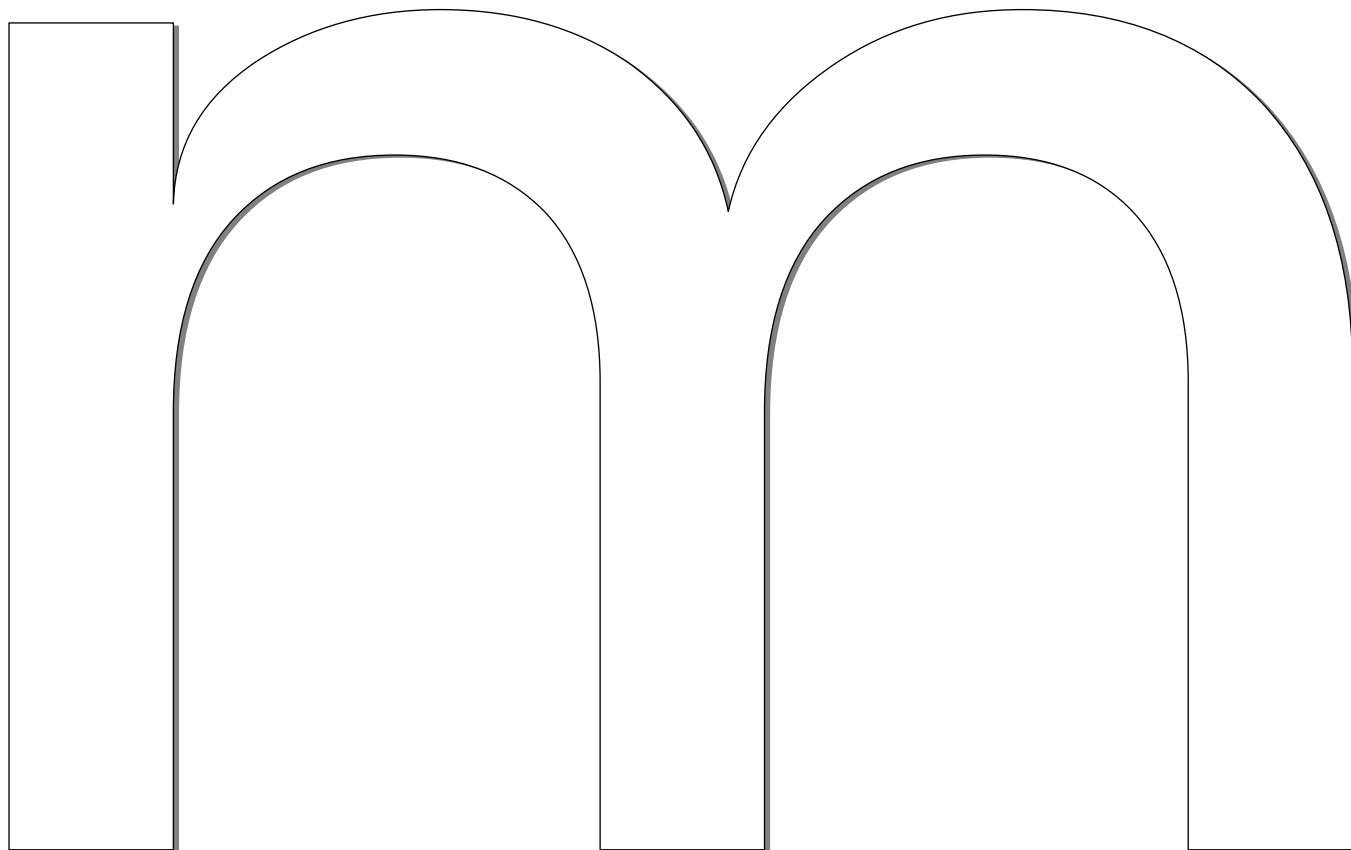
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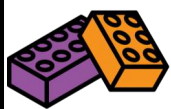
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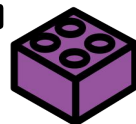
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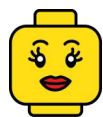
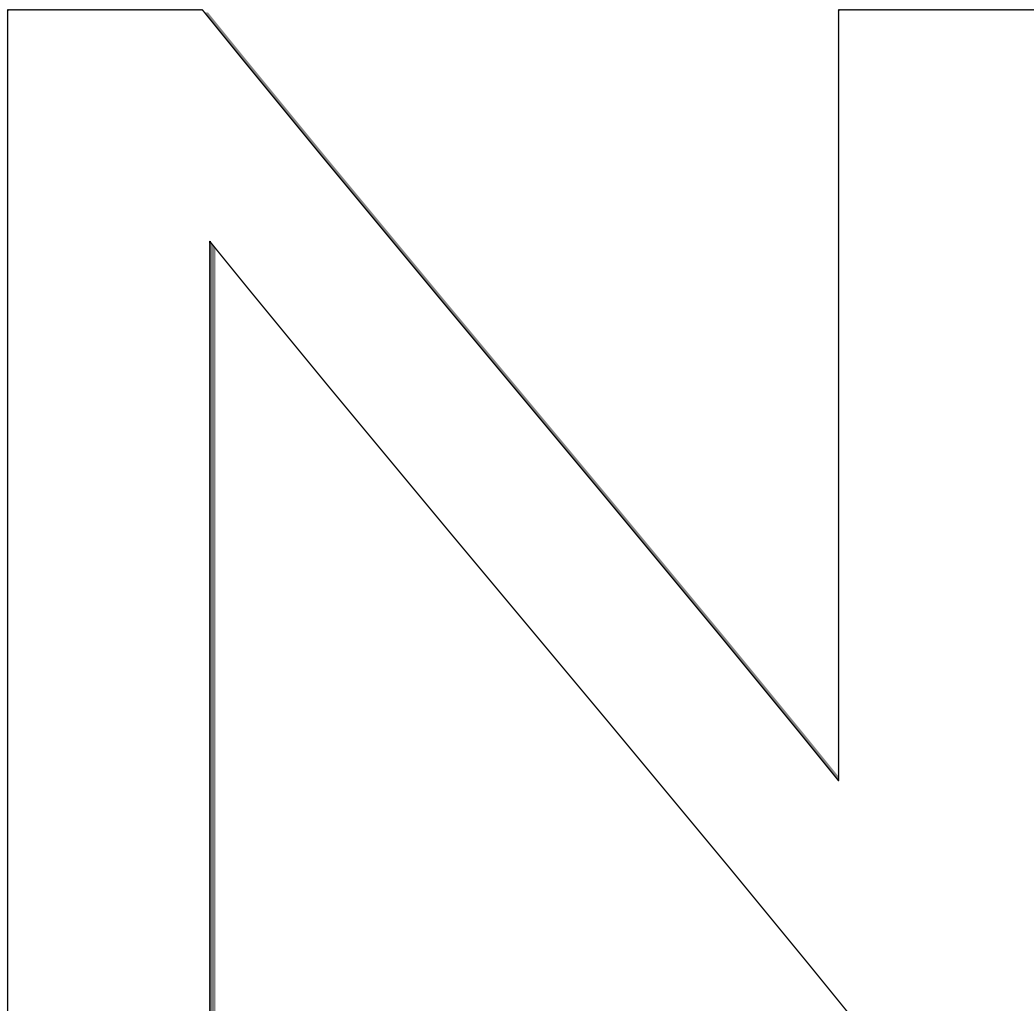
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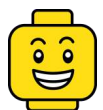
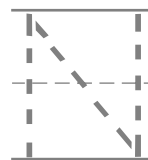
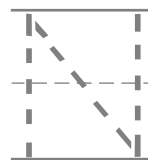
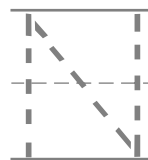
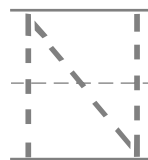
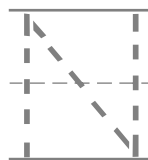
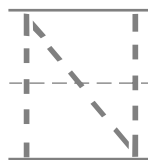
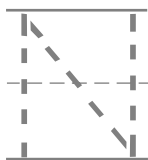
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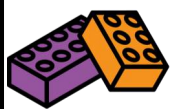
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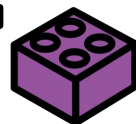
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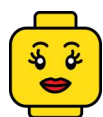
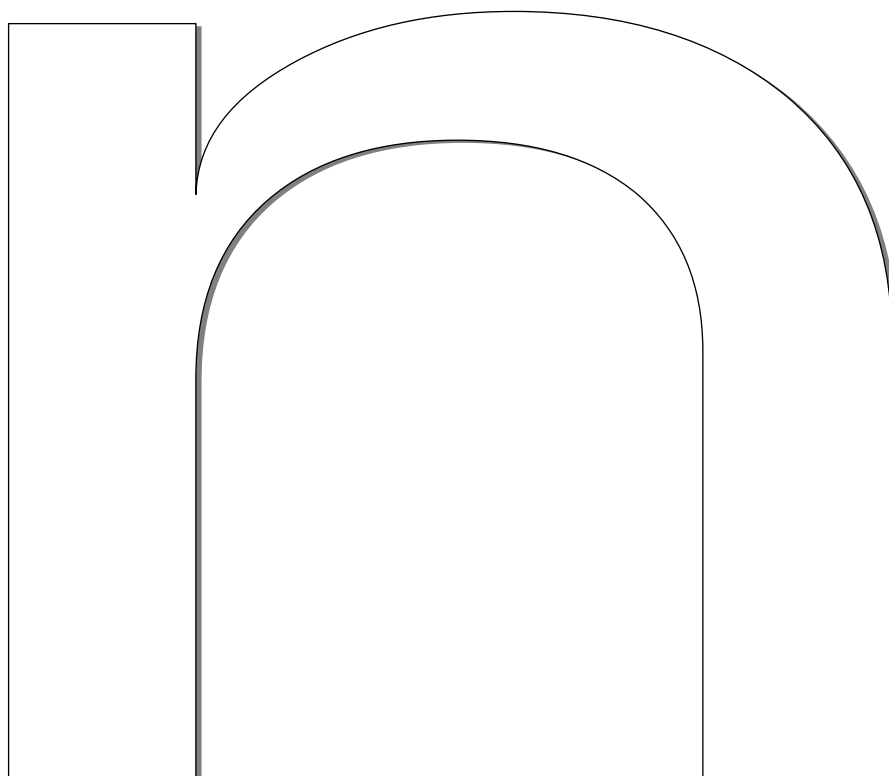
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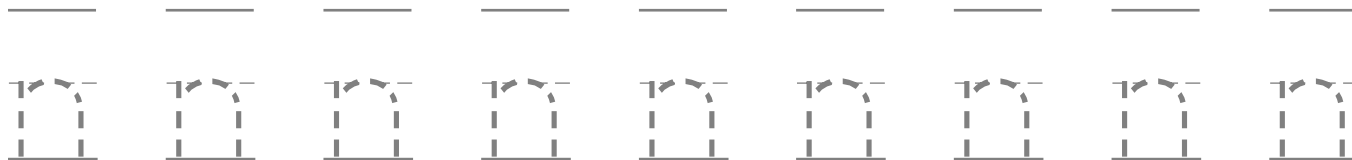
# LEGO® ALPHABET



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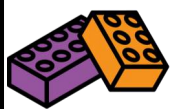
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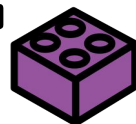
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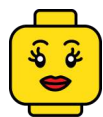
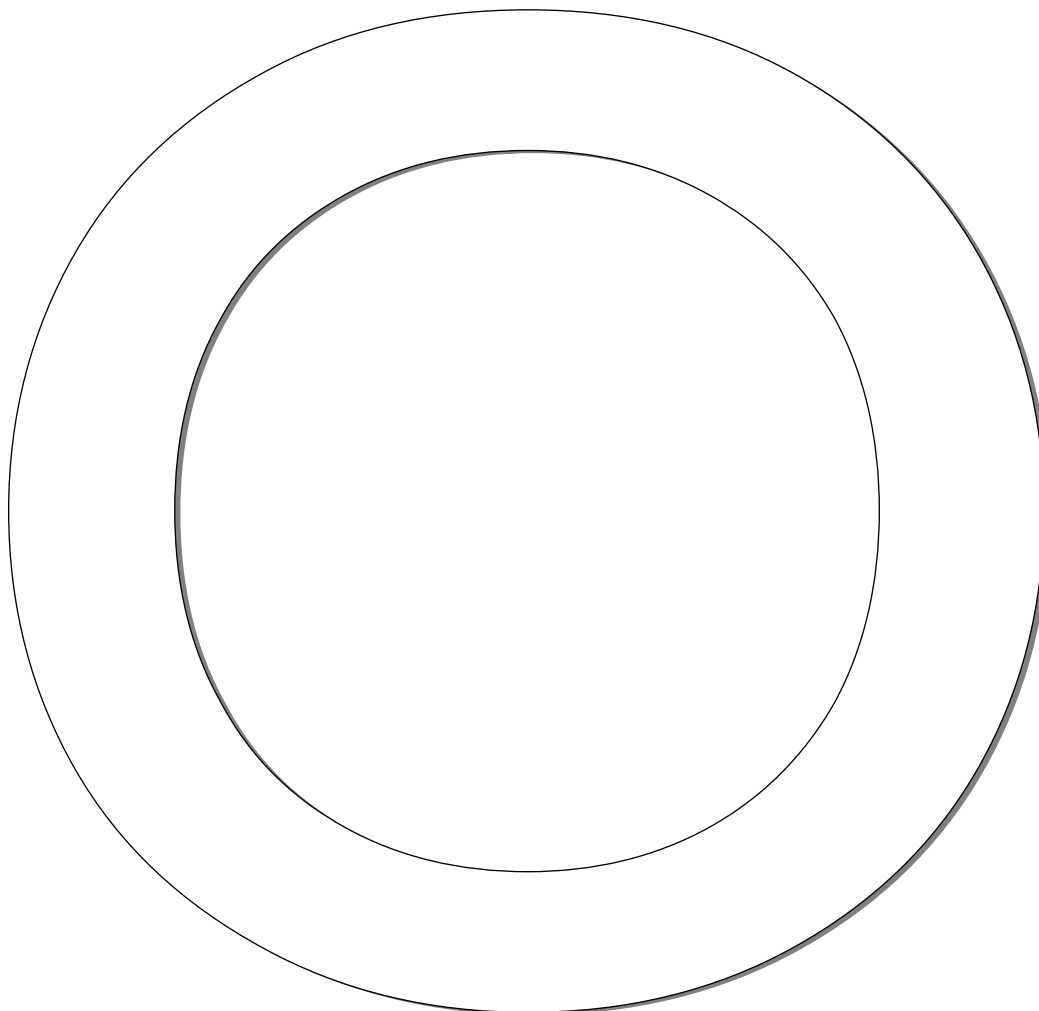
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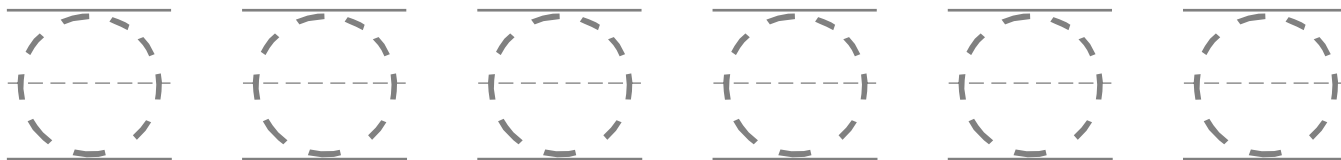
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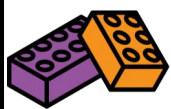


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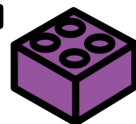
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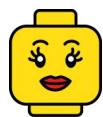
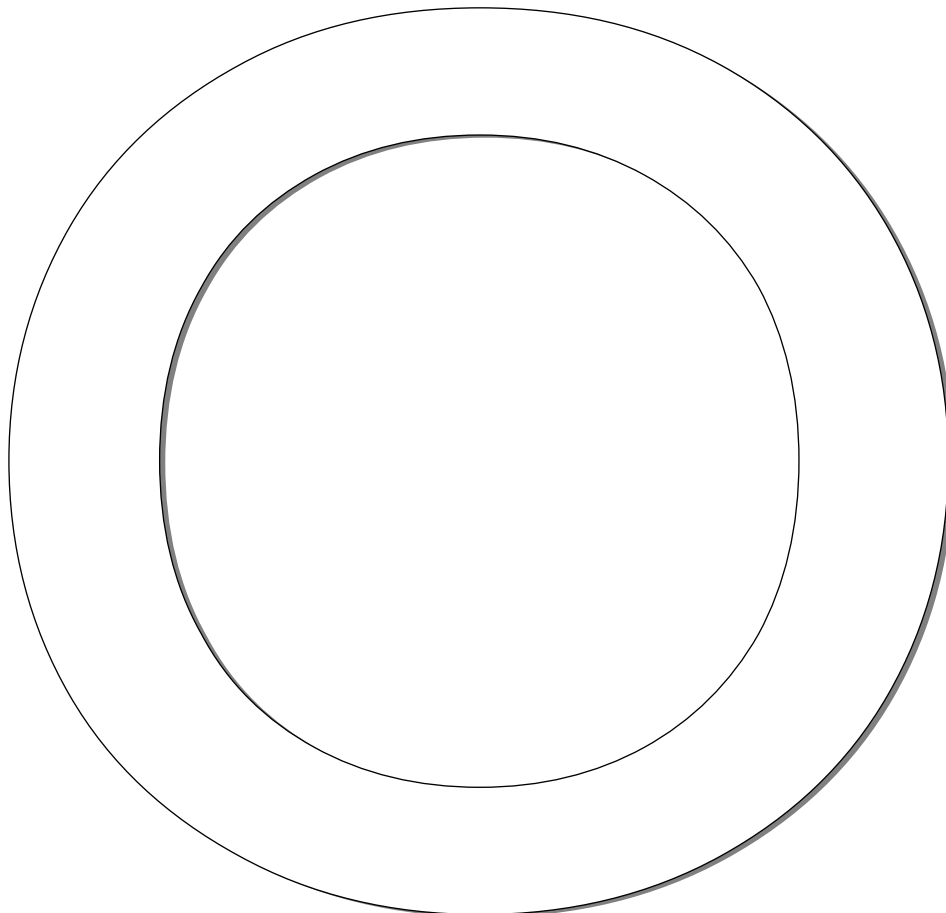




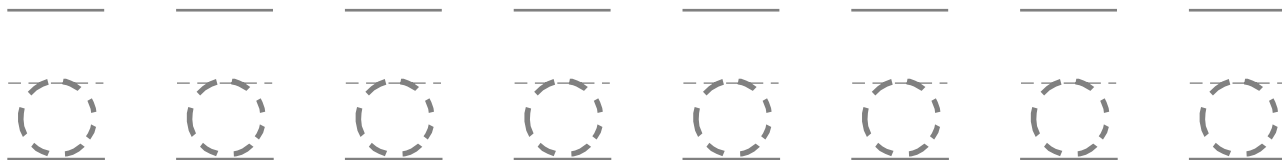
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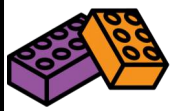
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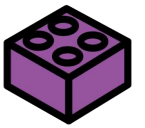
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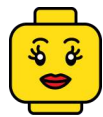
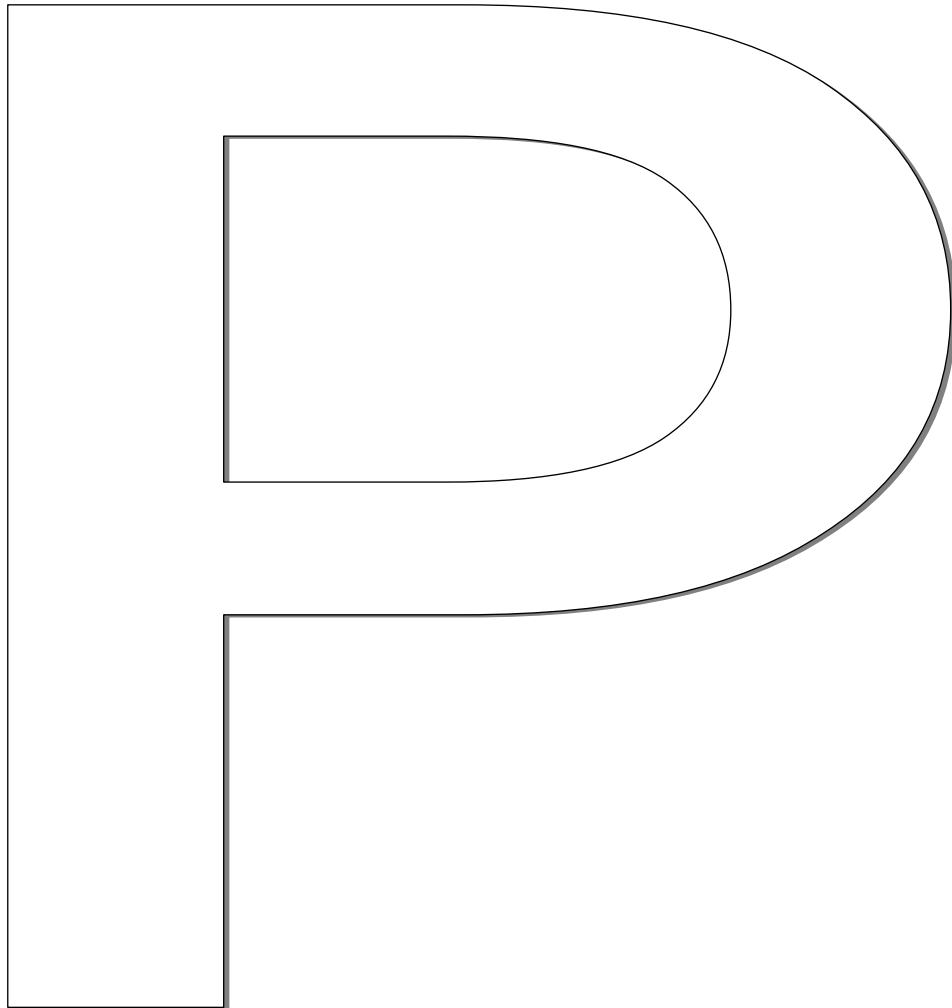
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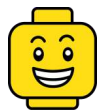
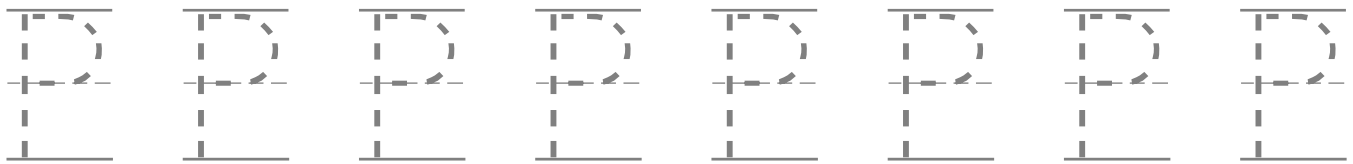
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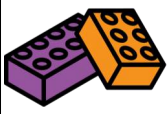
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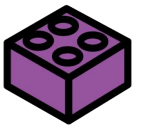
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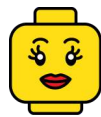
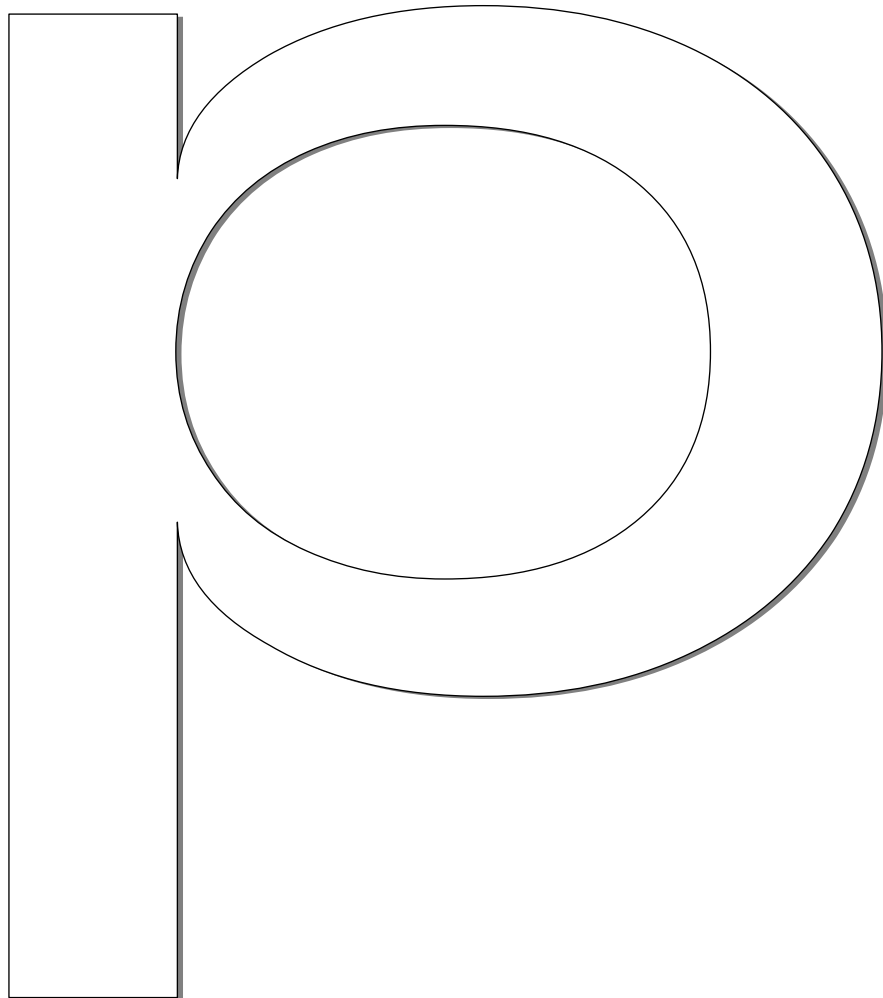
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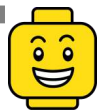
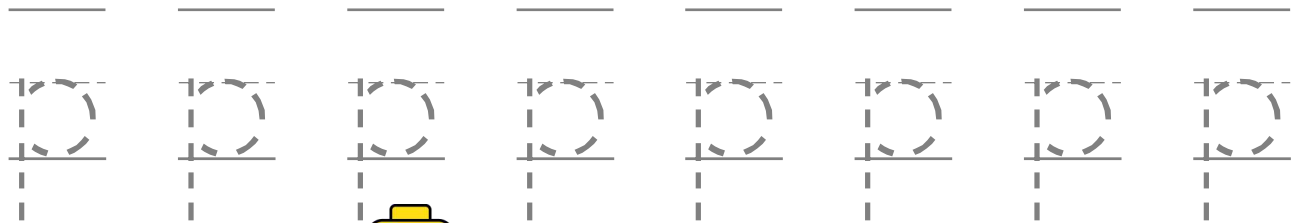
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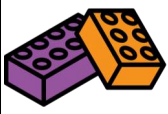
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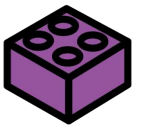
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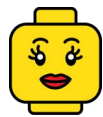
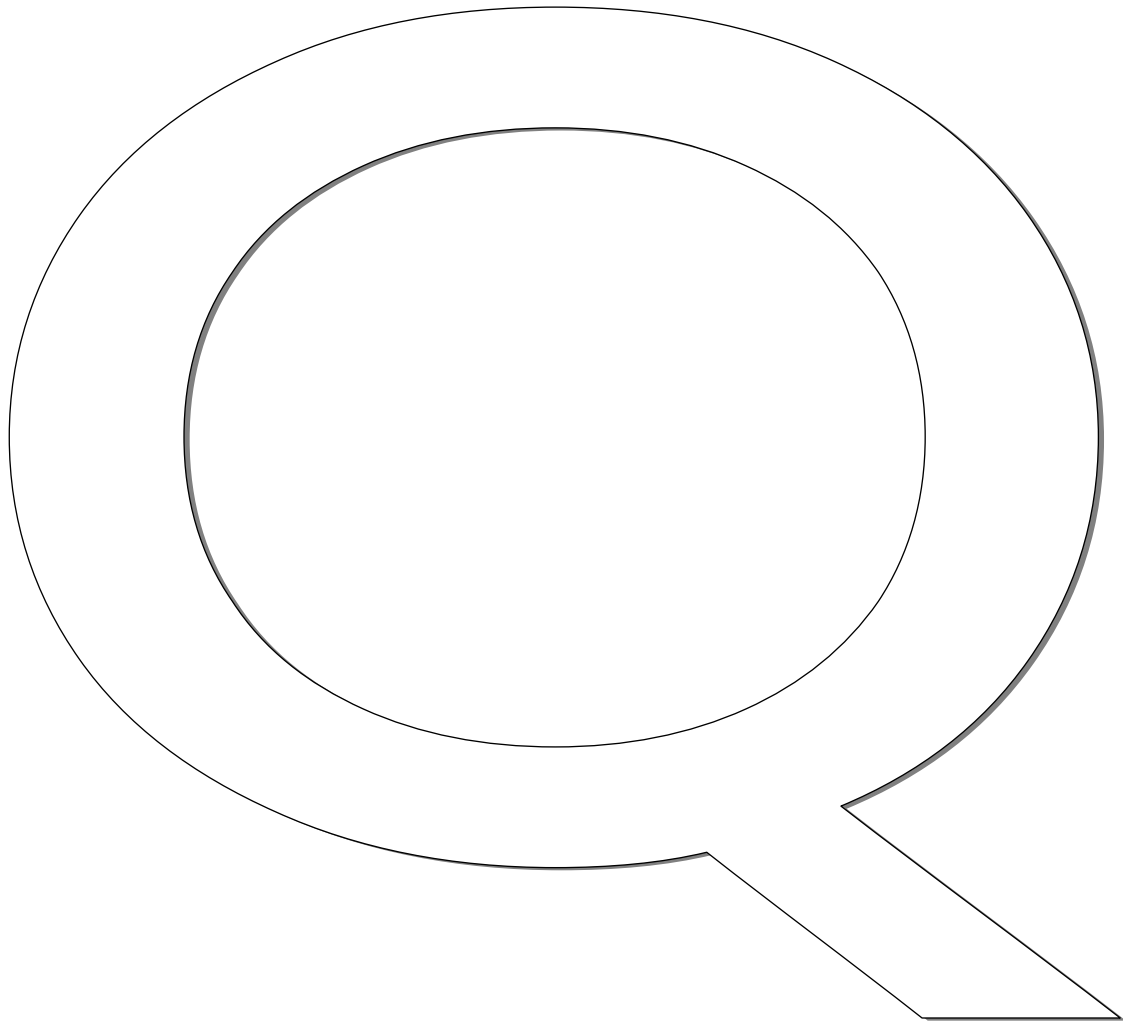
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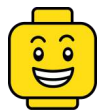
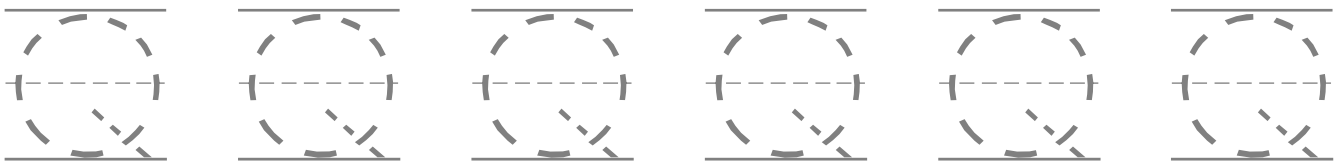
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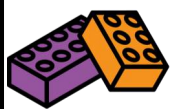
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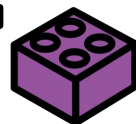
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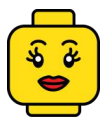
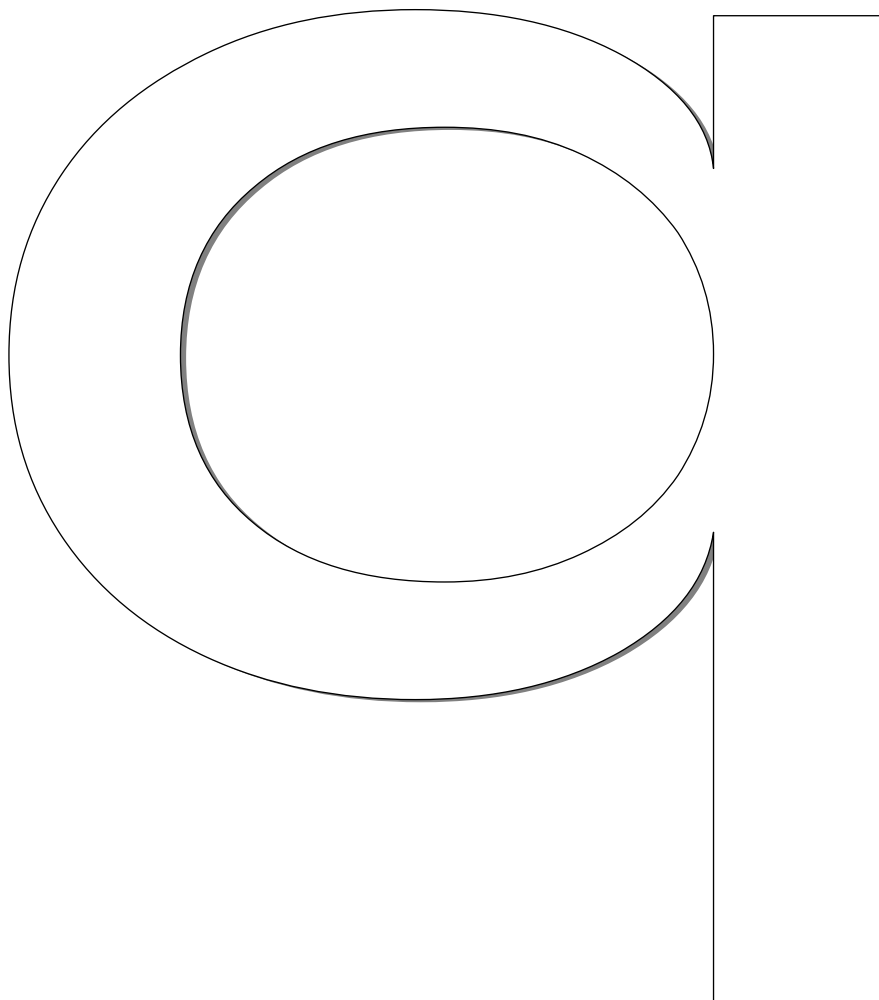
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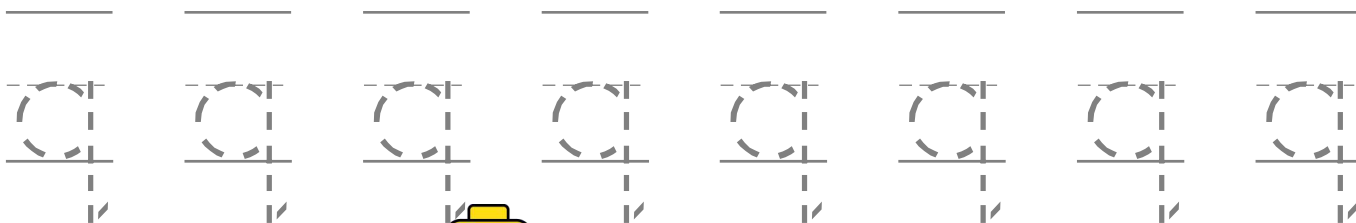
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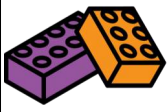
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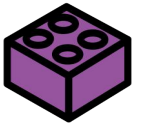
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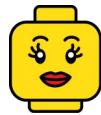
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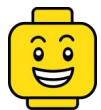
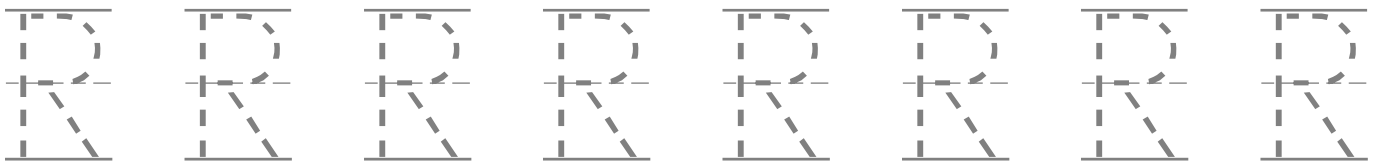
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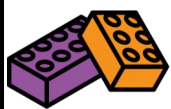
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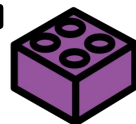
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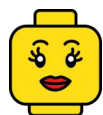
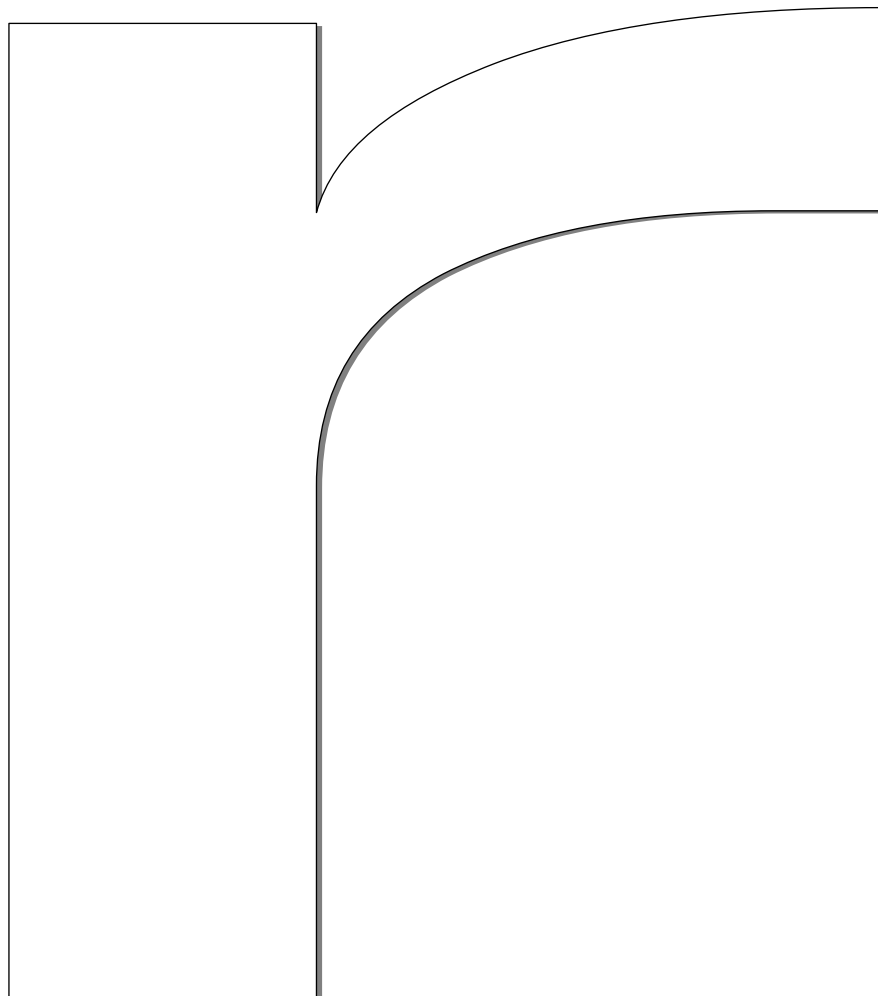
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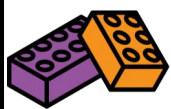


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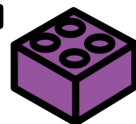
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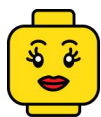
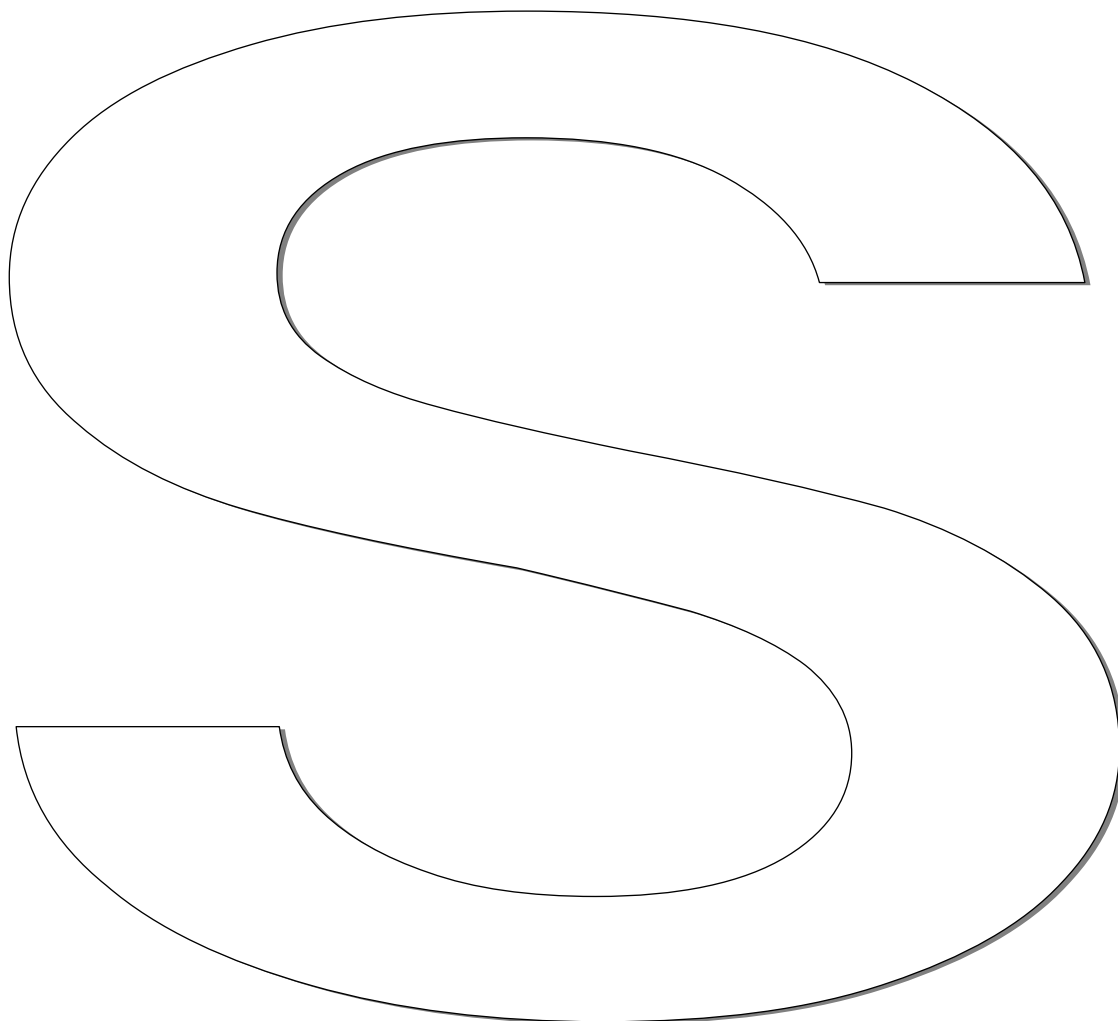




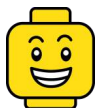
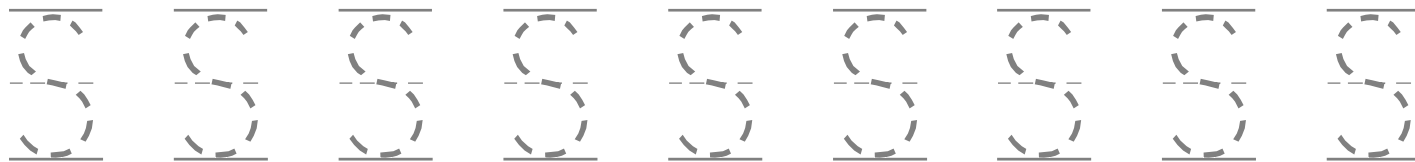
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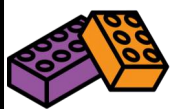
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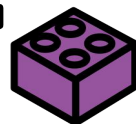
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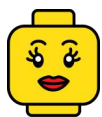
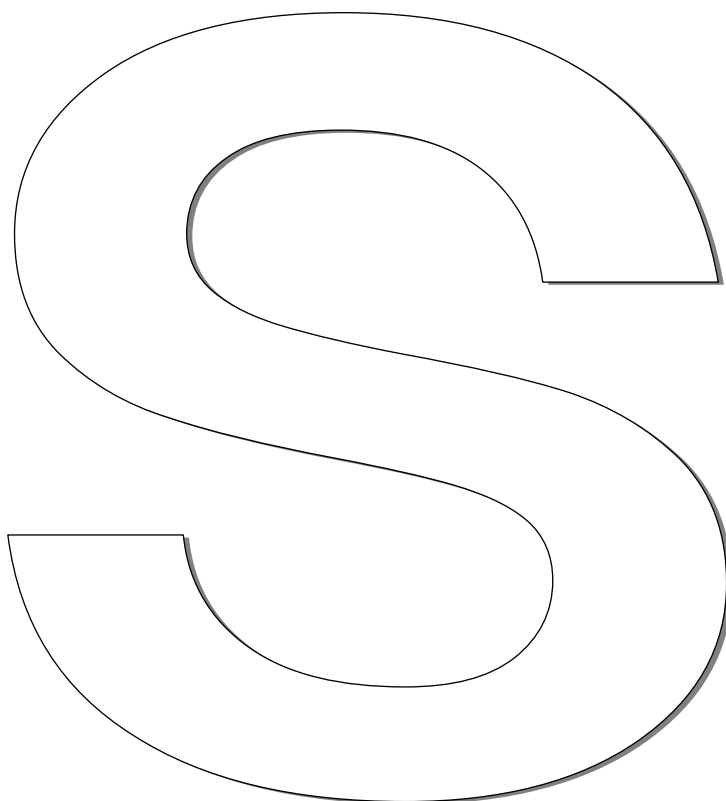
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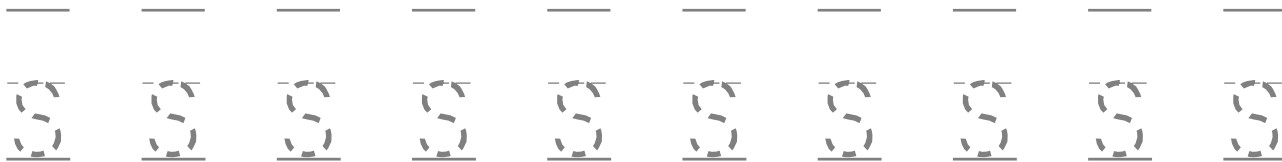
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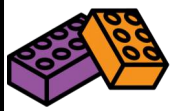
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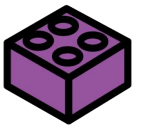
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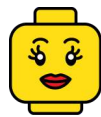
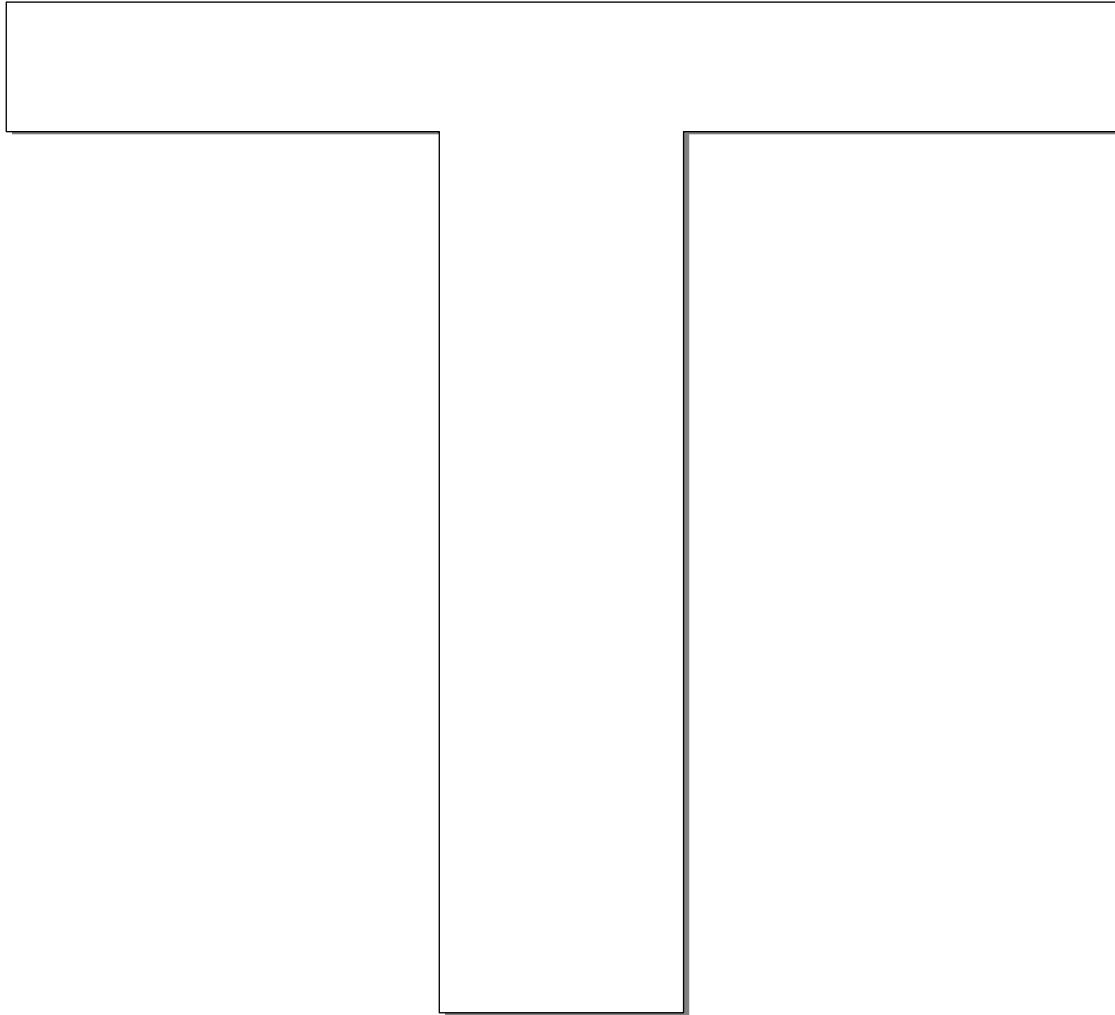
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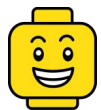
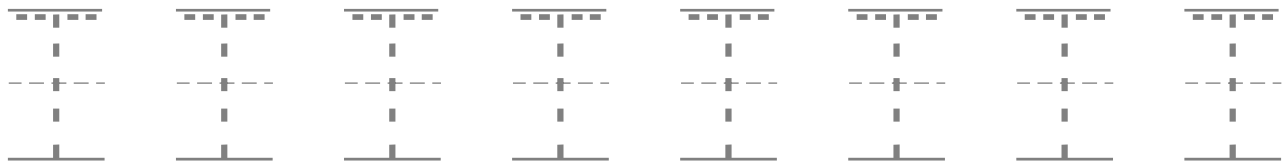
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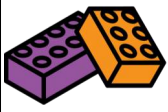
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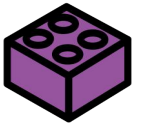
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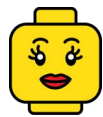
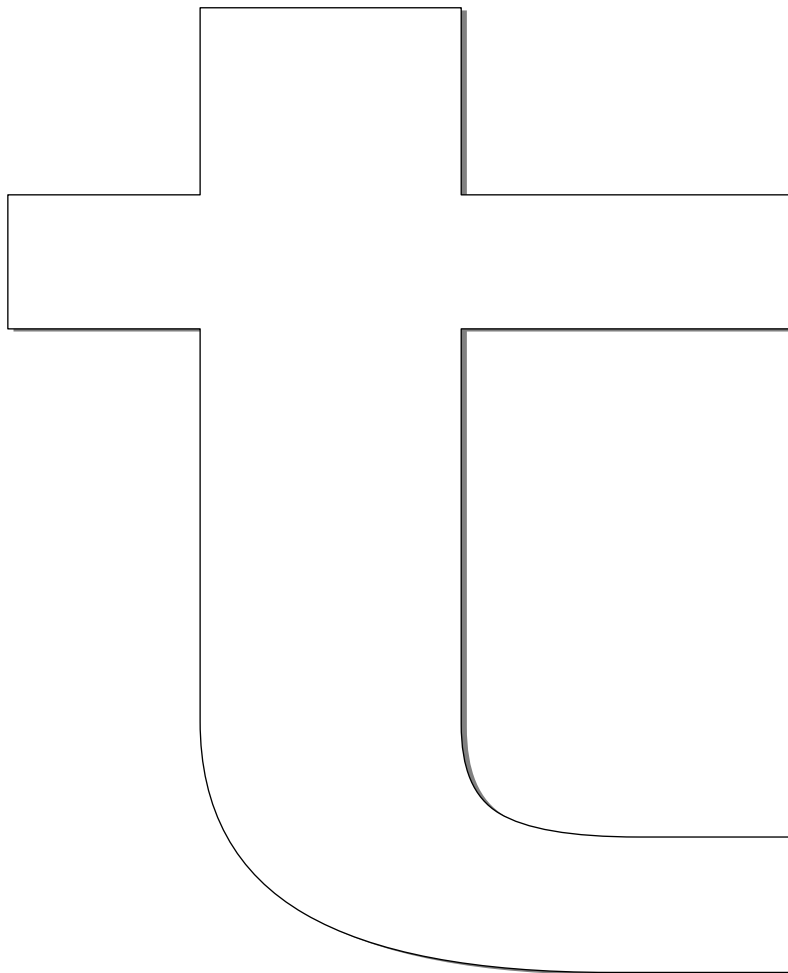
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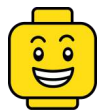
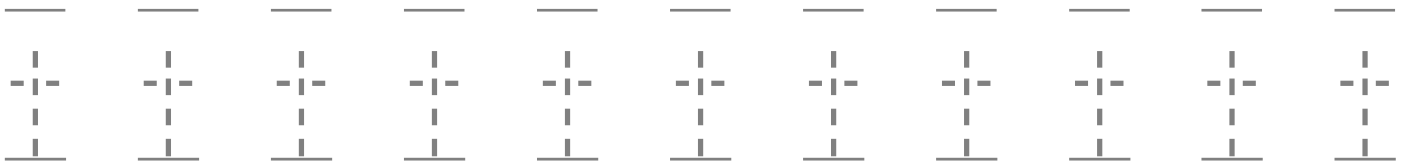
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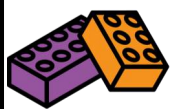
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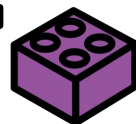
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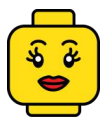
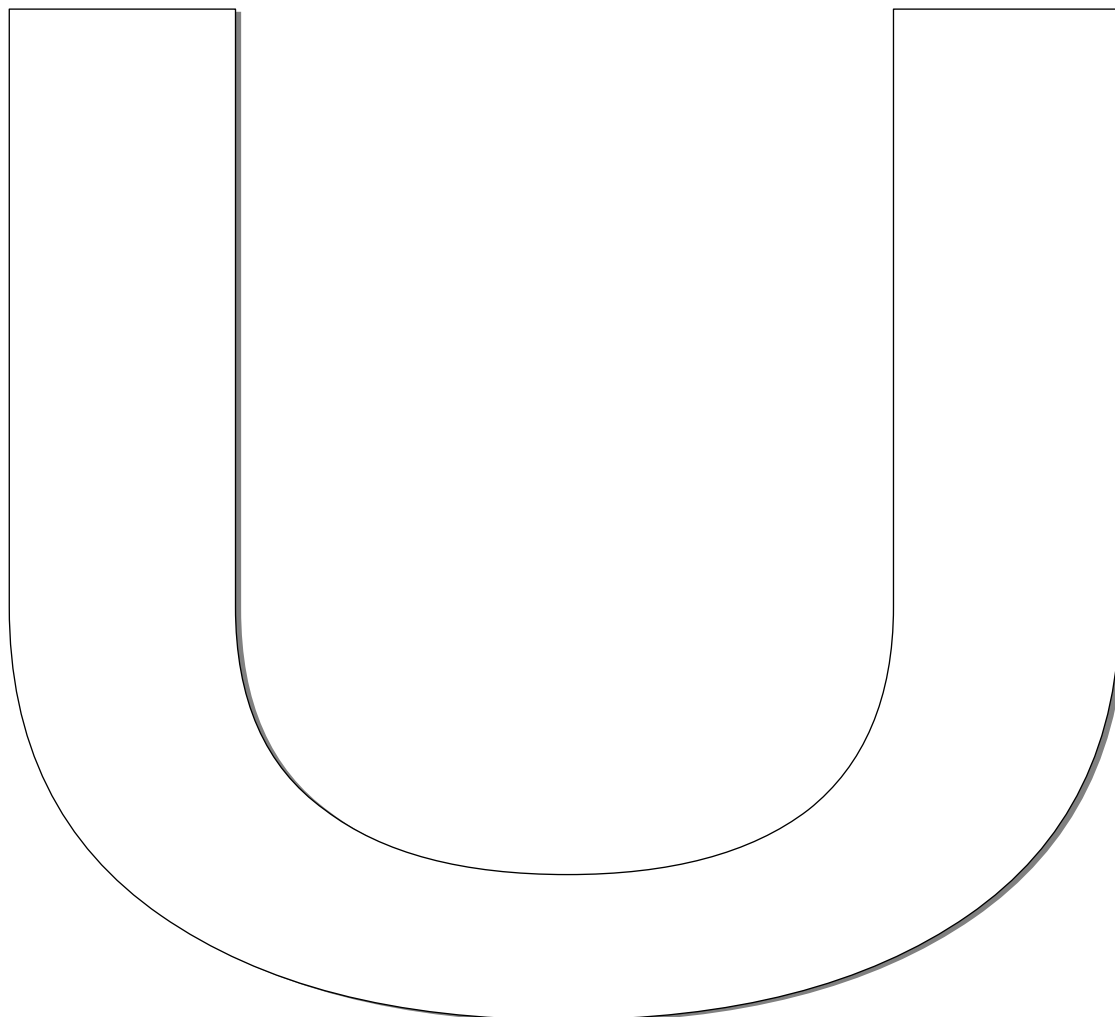
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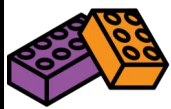
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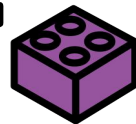
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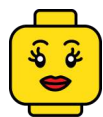
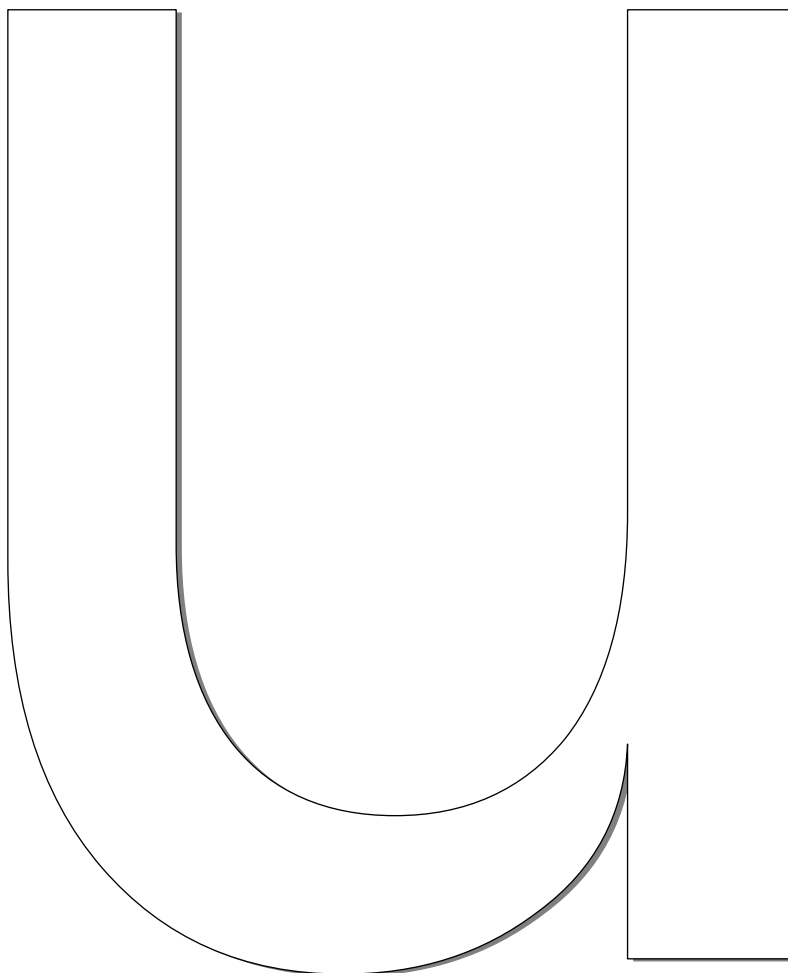
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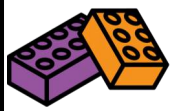
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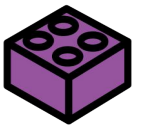
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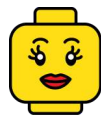
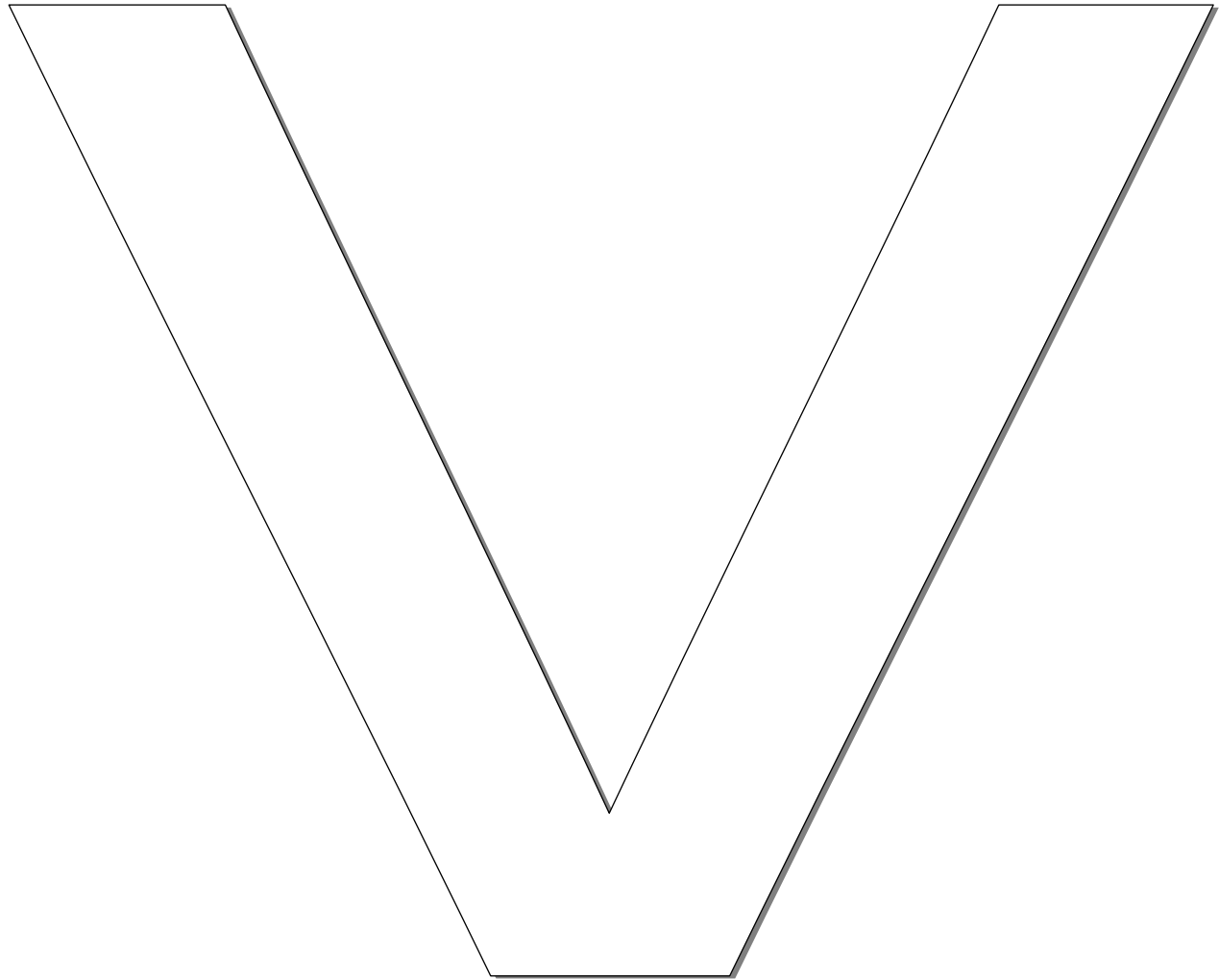
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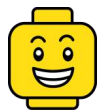
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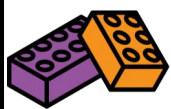


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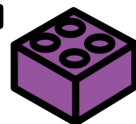
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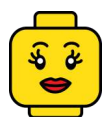
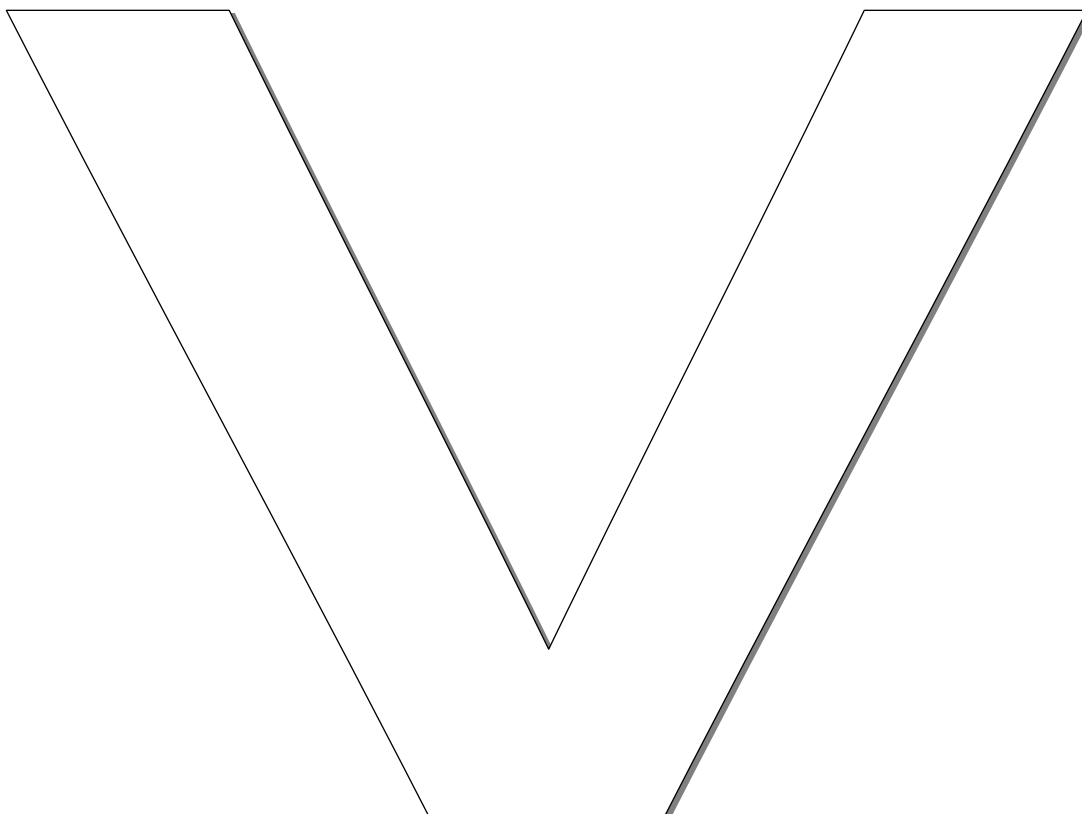




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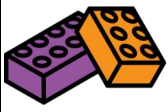
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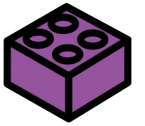
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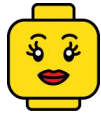
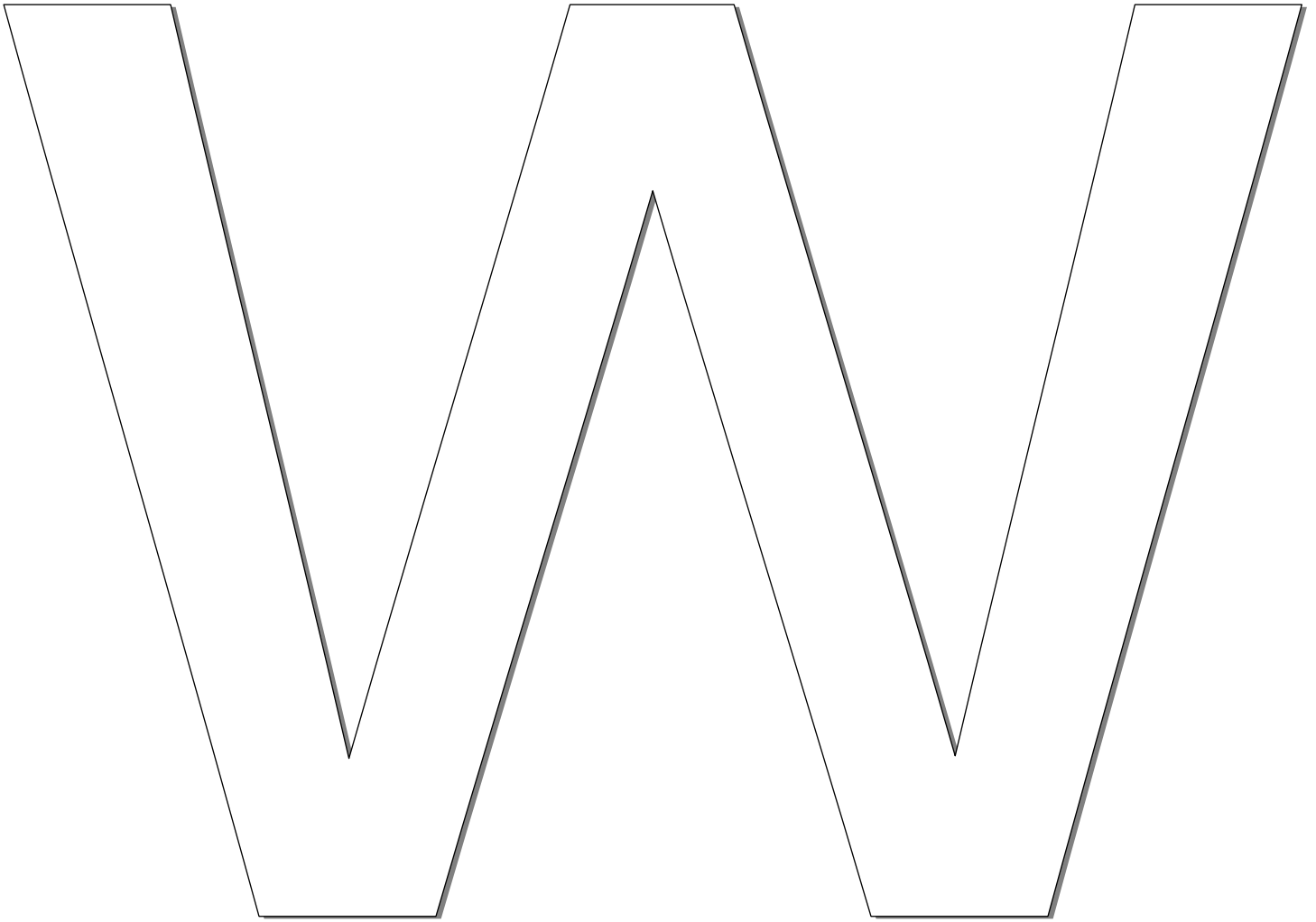
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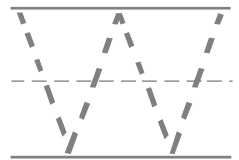
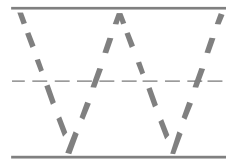
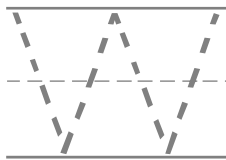
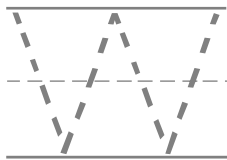
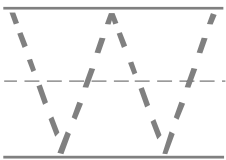
# LEGO<sup>®</sup> ALPHABET



Use your bricks to form the letters! Can you build the letter?



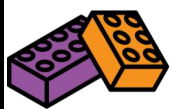
Trace the Letter!



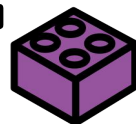
Write the Letter!

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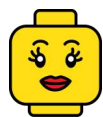
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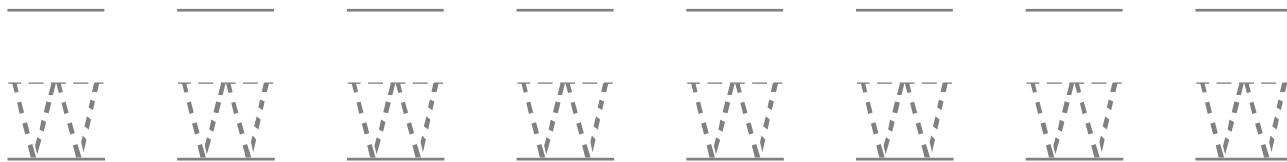
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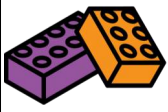
Trace the Letter!



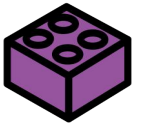
Write the Letter!

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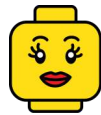
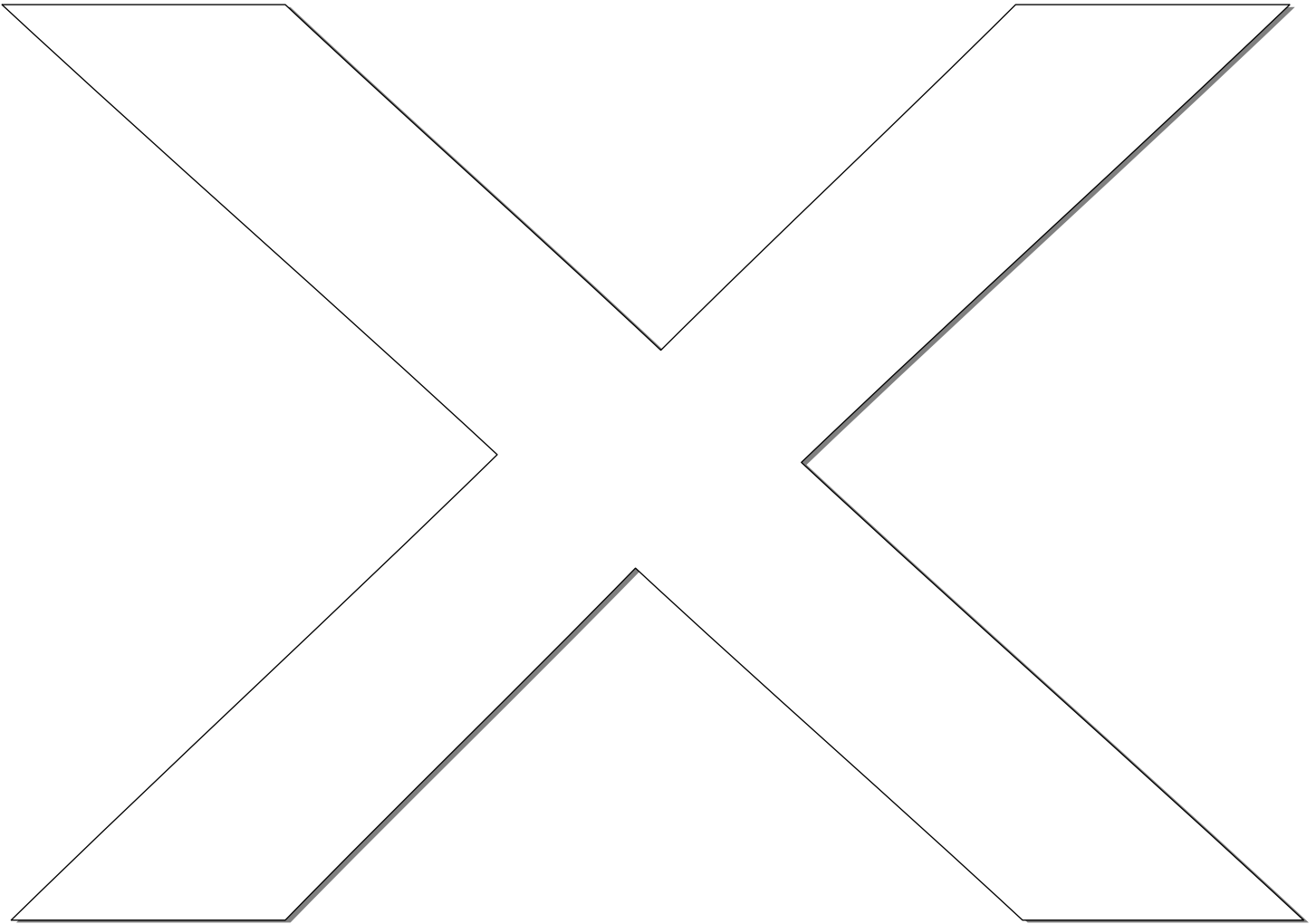
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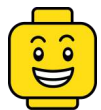
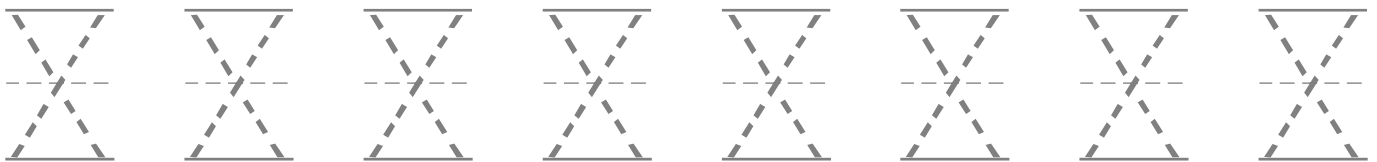
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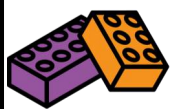
Trace the Letter!



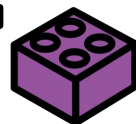
Write the Letter!

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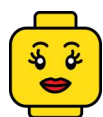
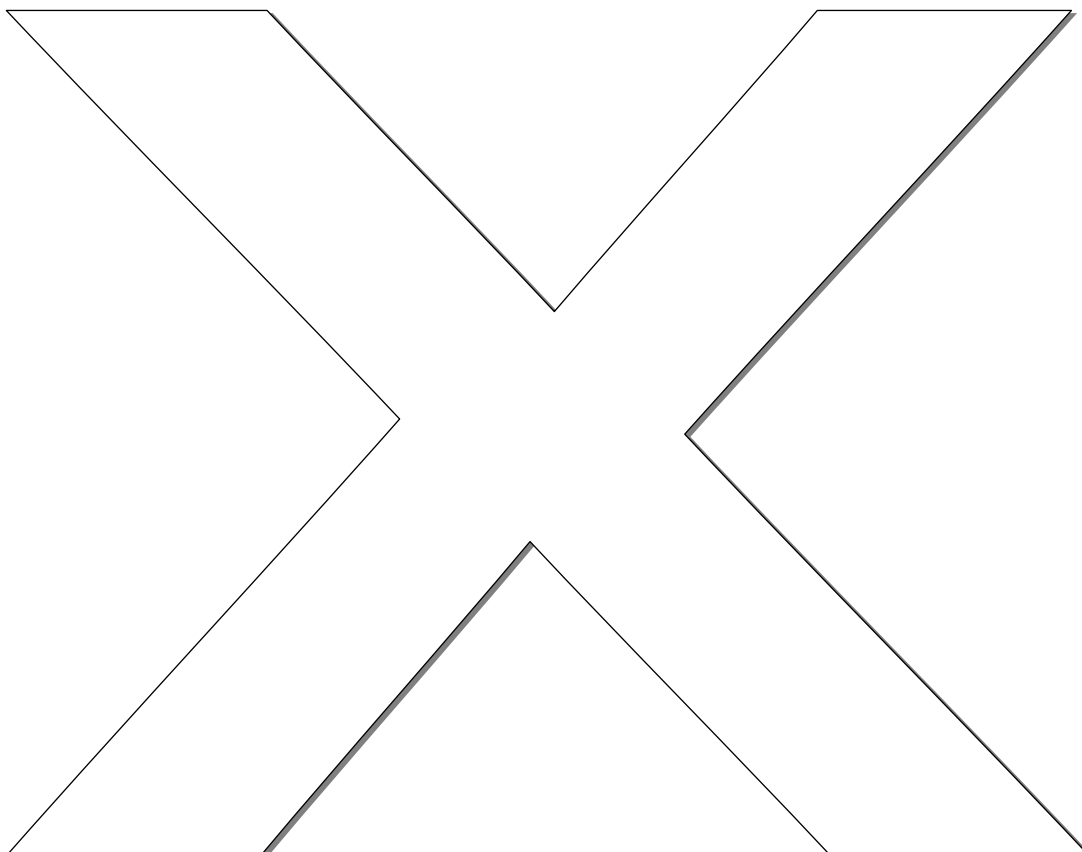
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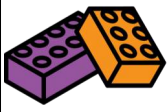
Trace the Letter!



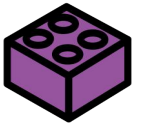
Write the Letter!

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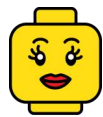
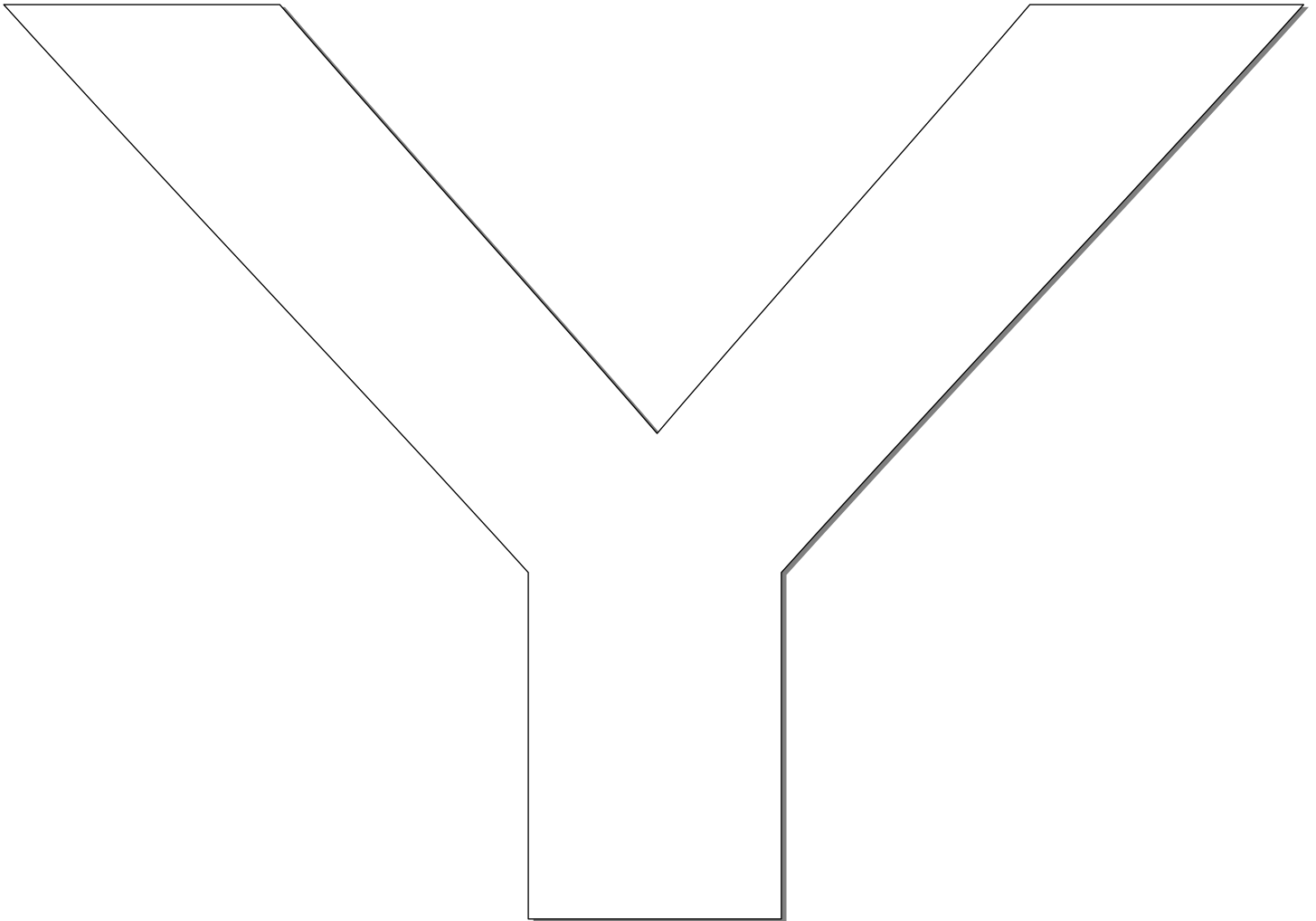
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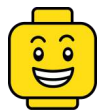
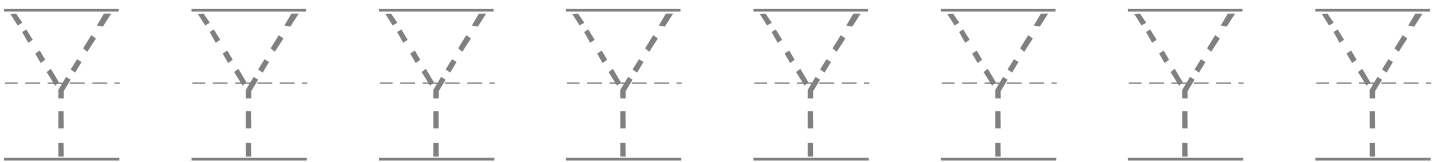
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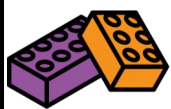
Trace the Letter!



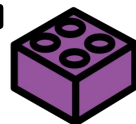
Write the Letter!

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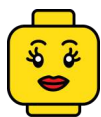
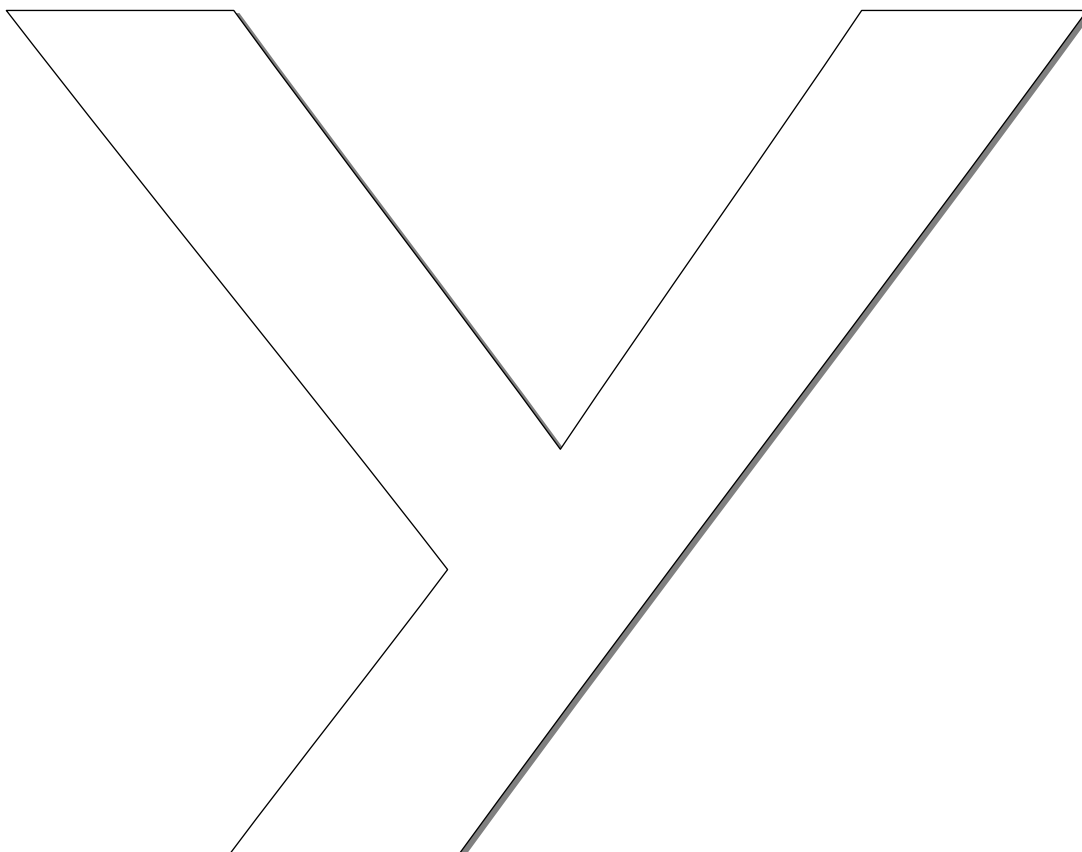
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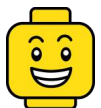
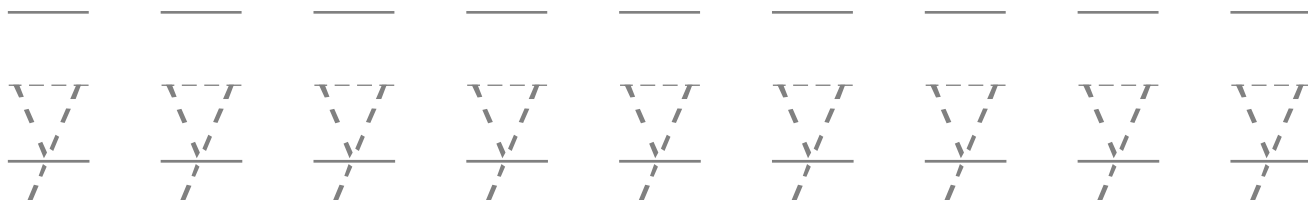
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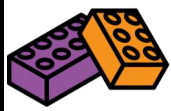


Write the Letter!

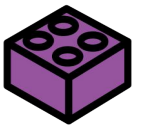
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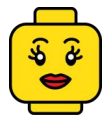
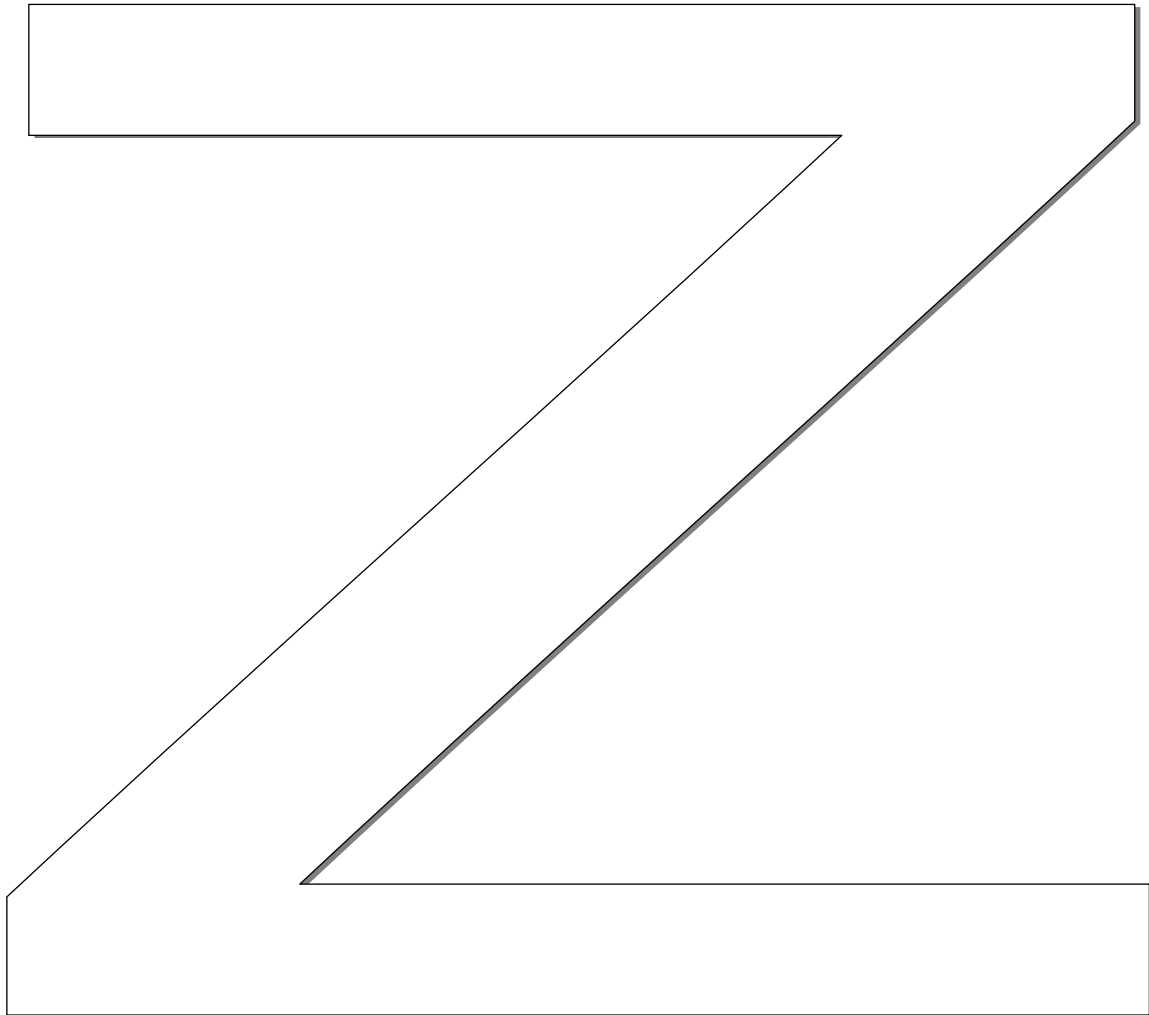




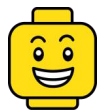
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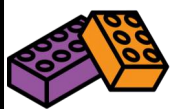
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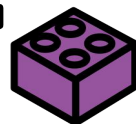
Write the Letter!

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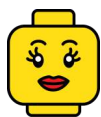
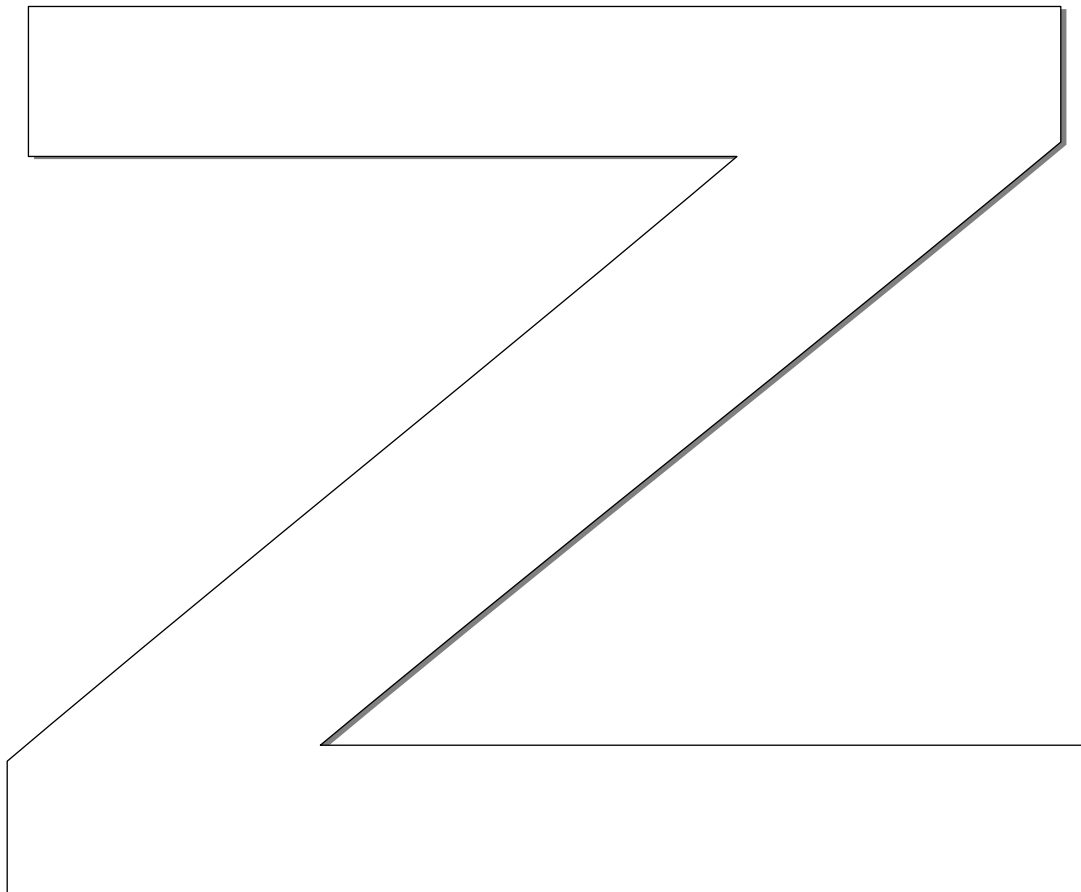
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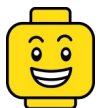
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Trace the Letter!

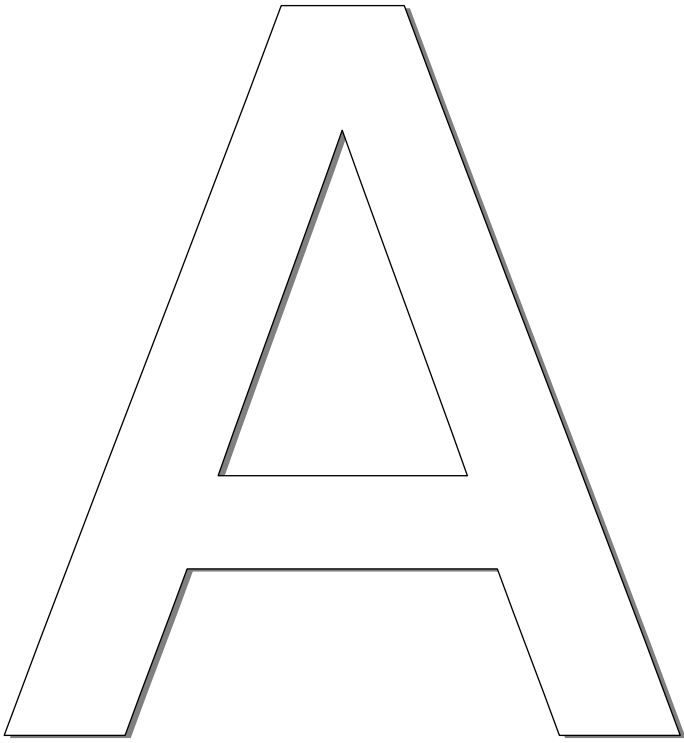


Write the Letter!

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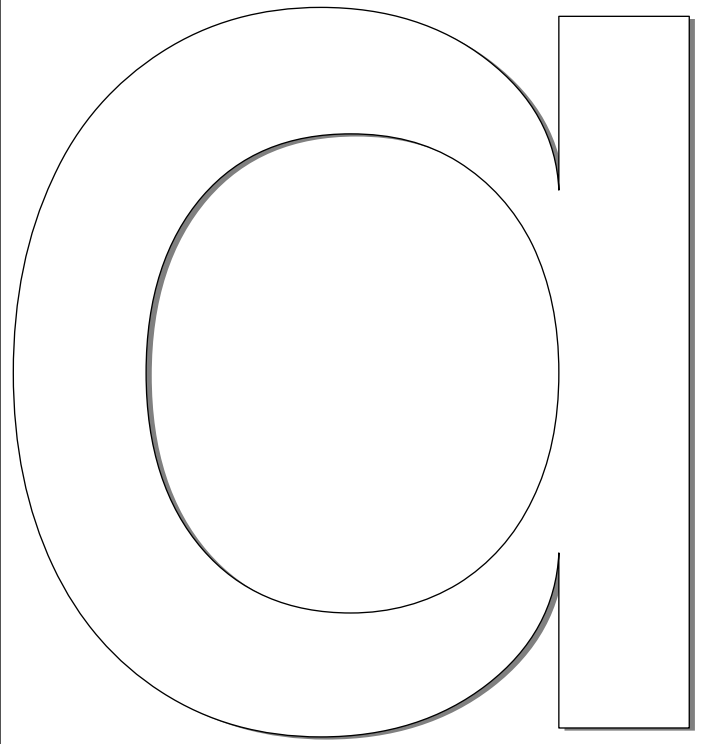
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Build the Letter Using Your Bricks!



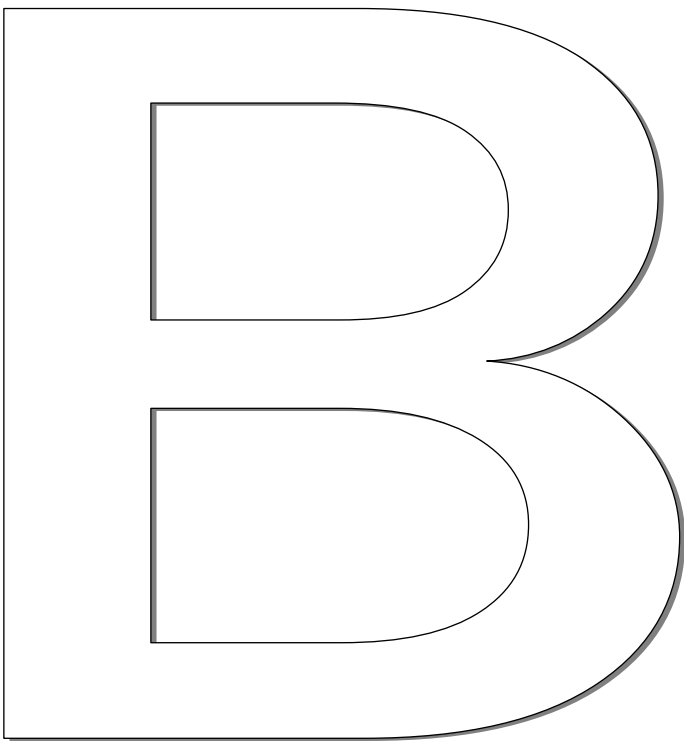
LITTLE BINS FOR LITTLE  HANDS

Build the Letter Using Your Bricks!



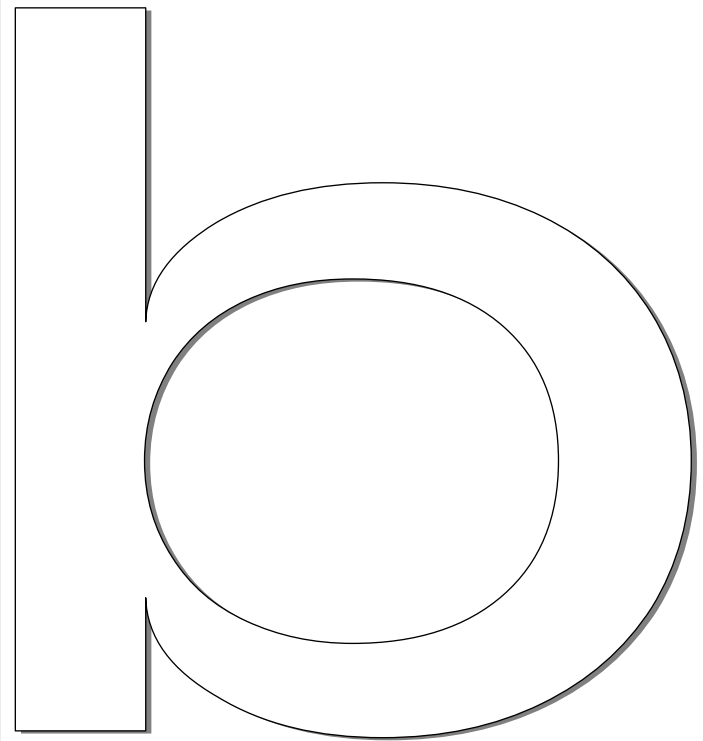
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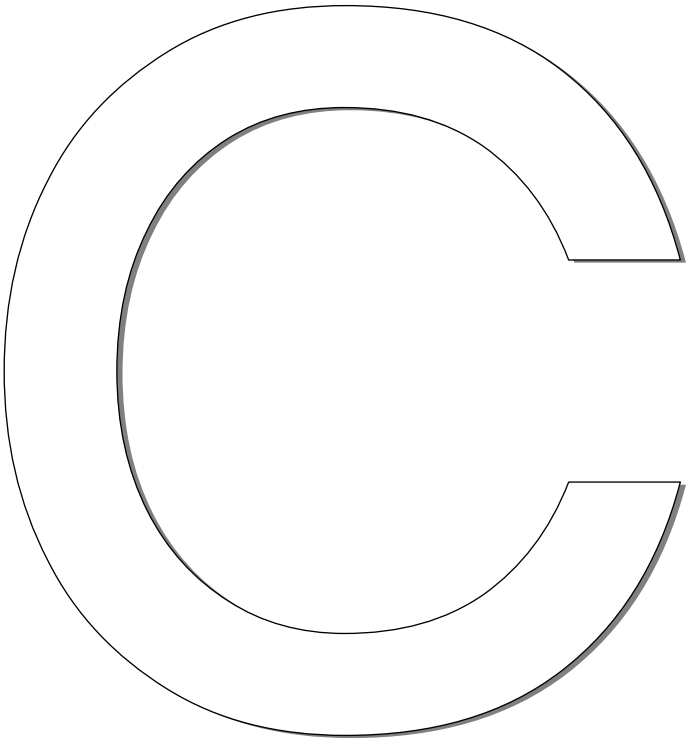
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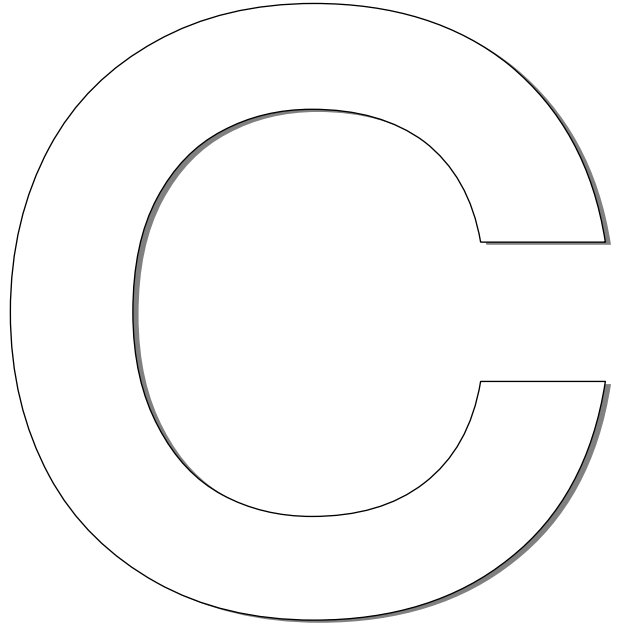
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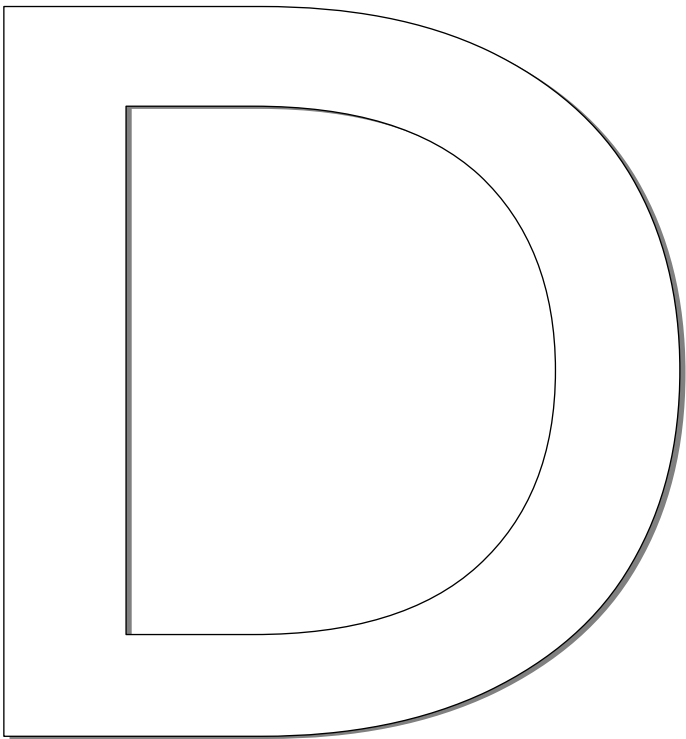
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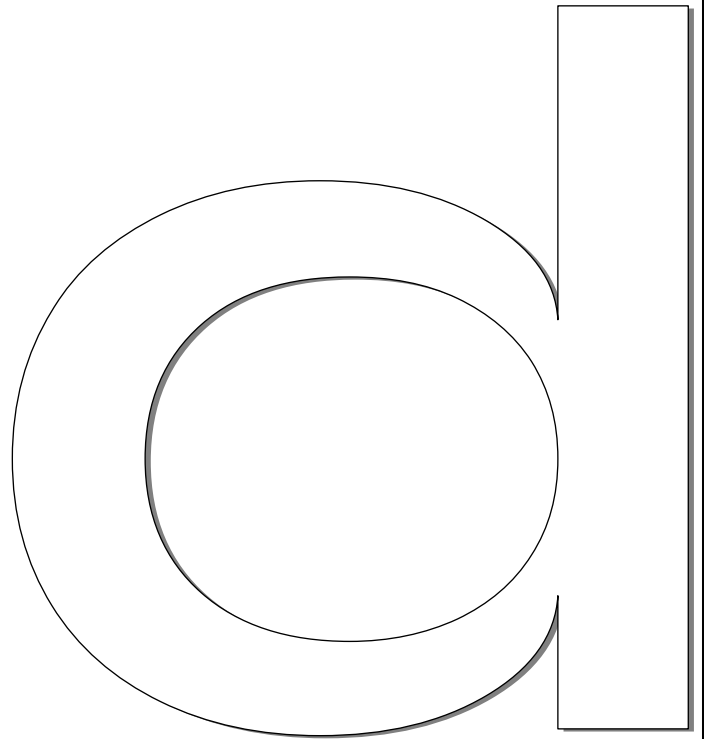
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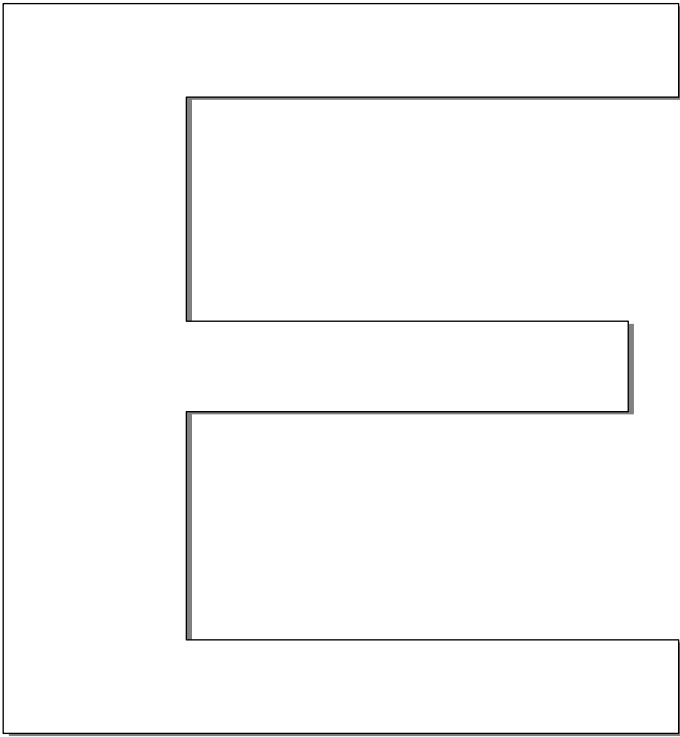
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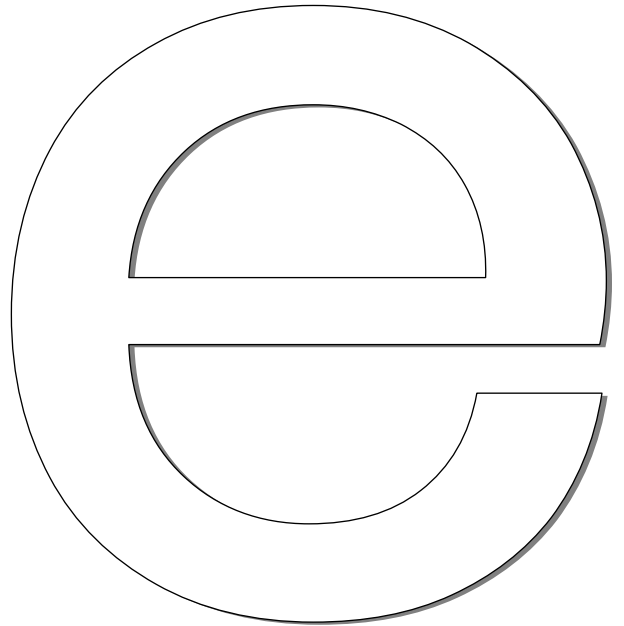
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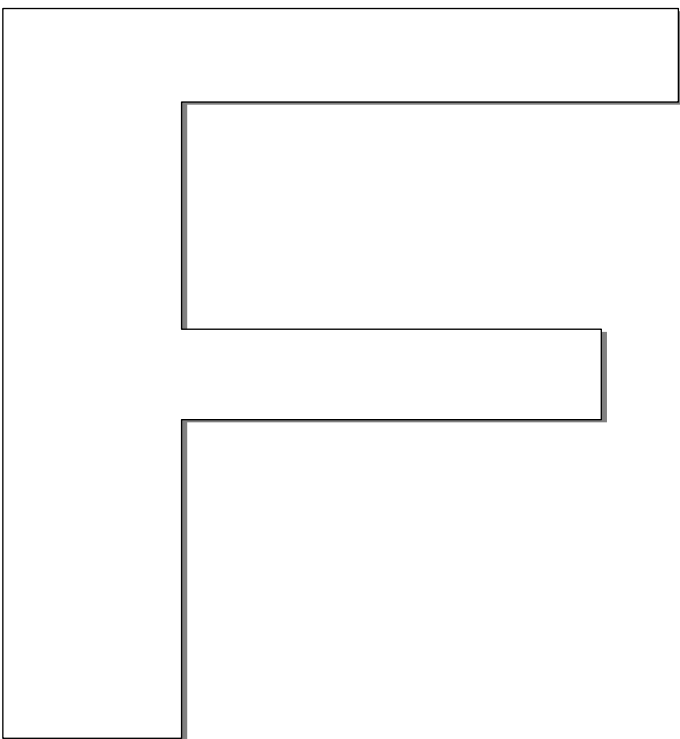
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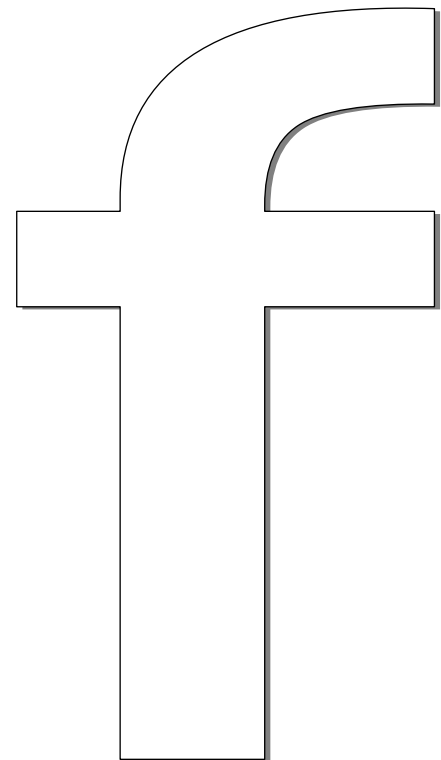
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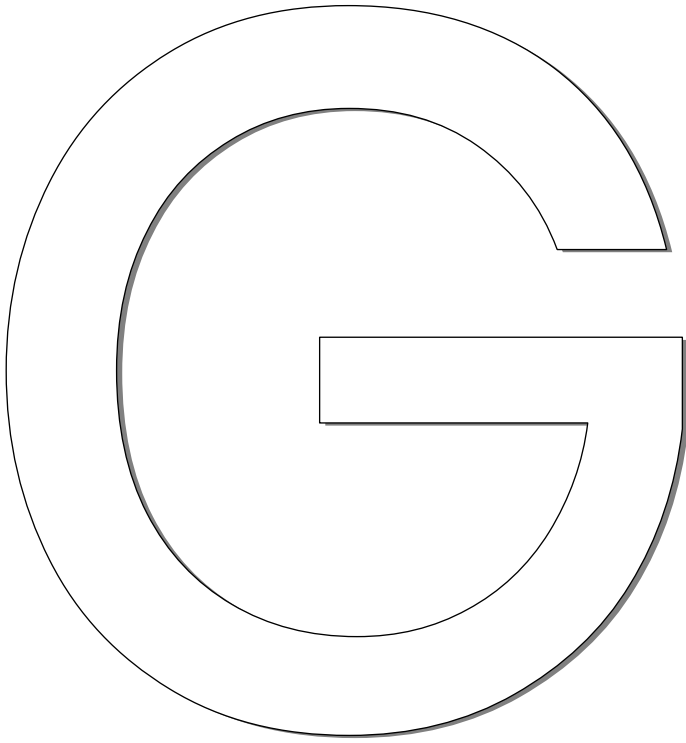
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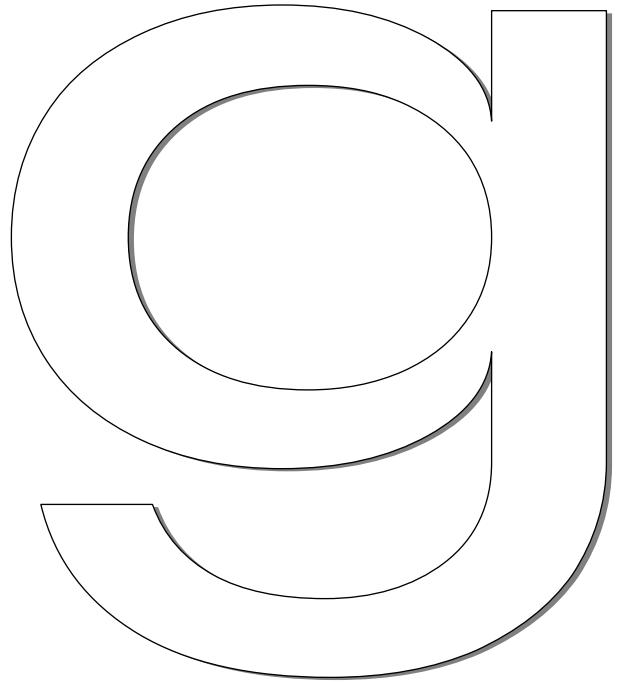
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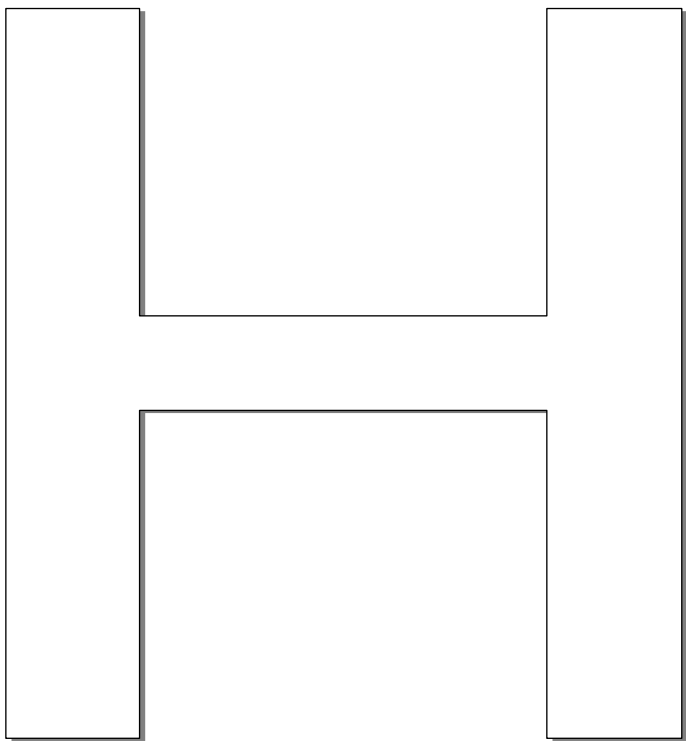
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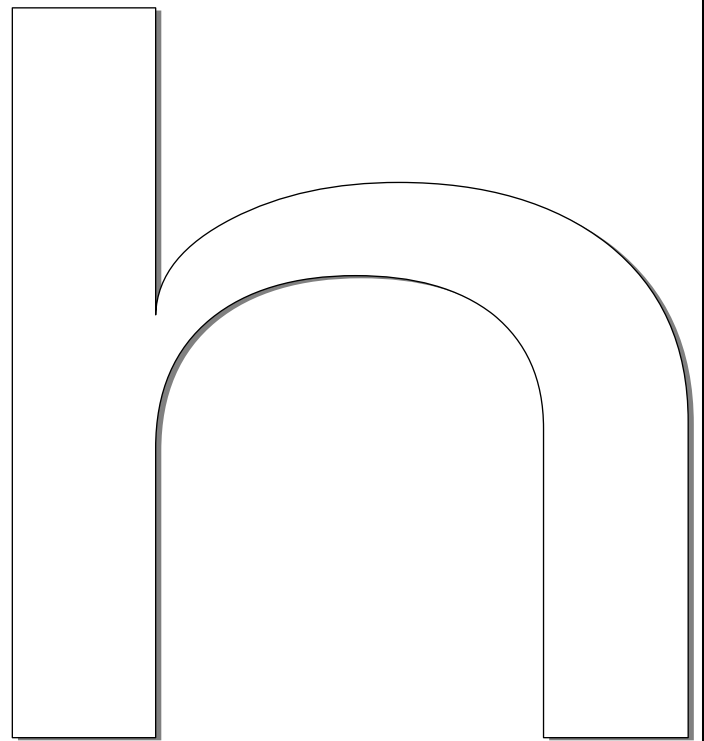
LITTLE BINS FOR LITTLE  HANDS

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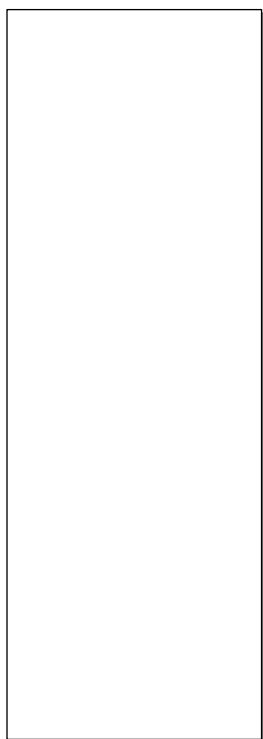
LITTLE BINS FOR LITTLE  HANDS

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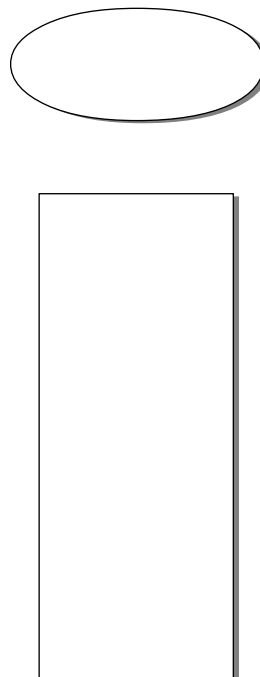
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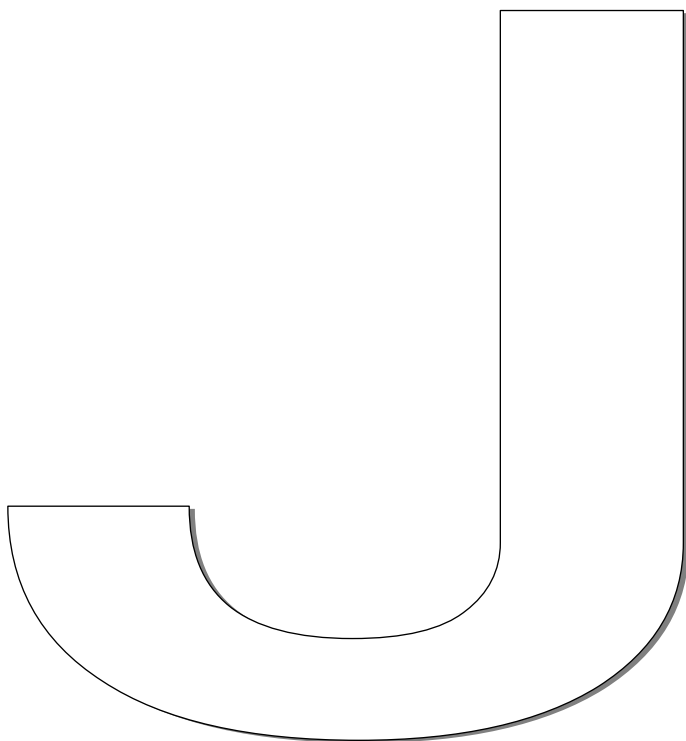
LITTLE BINS FOR LITTLE  HANDS

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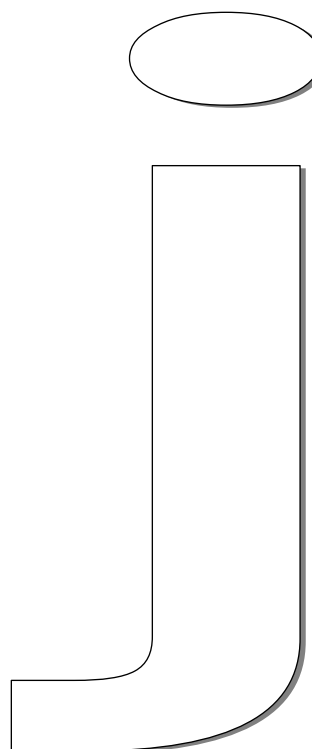
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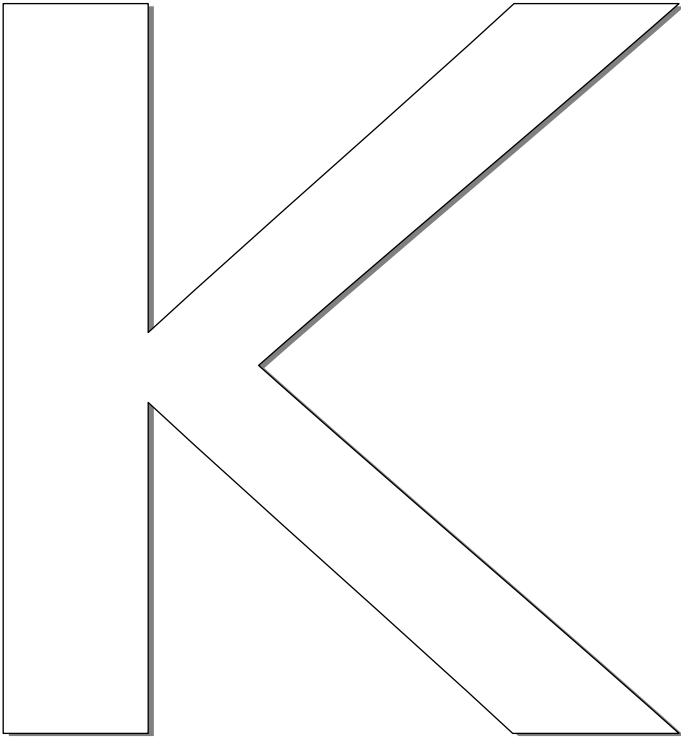
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LITTLE BINS FOR LITTLE  HANDS

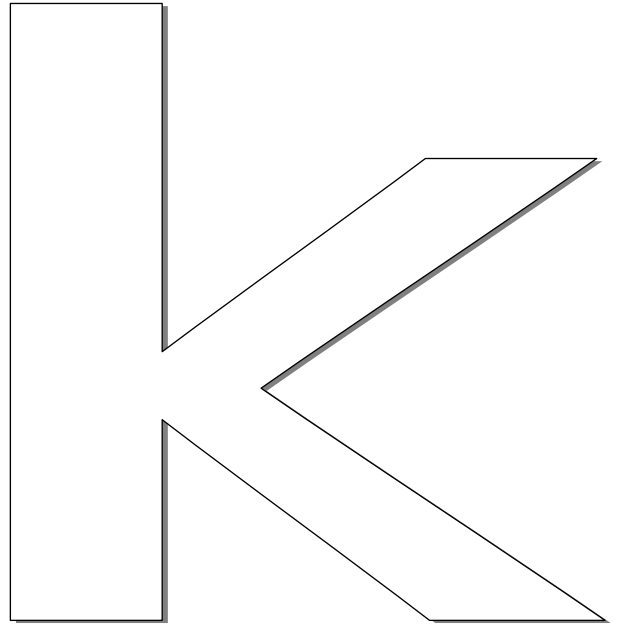


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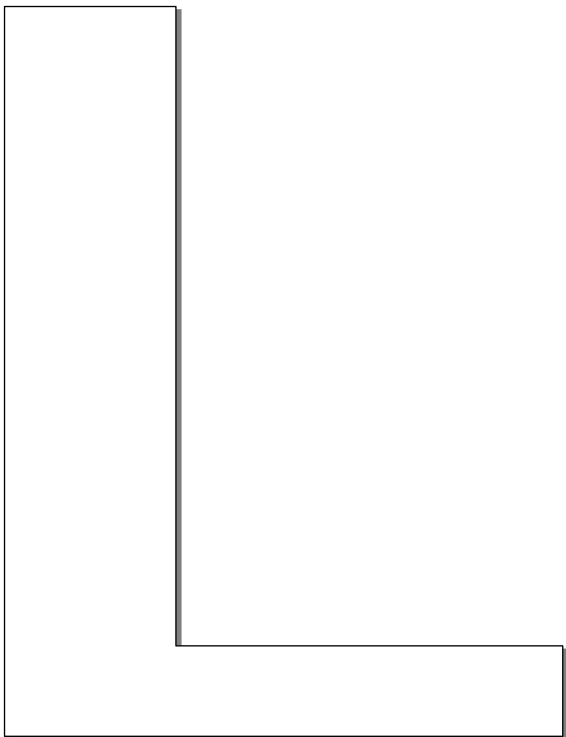
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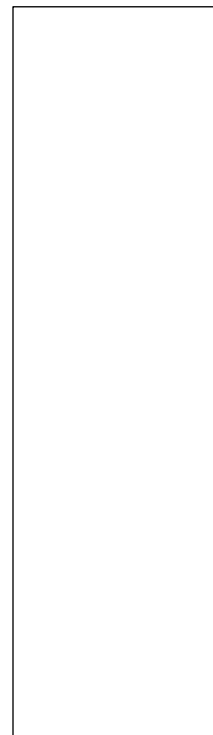
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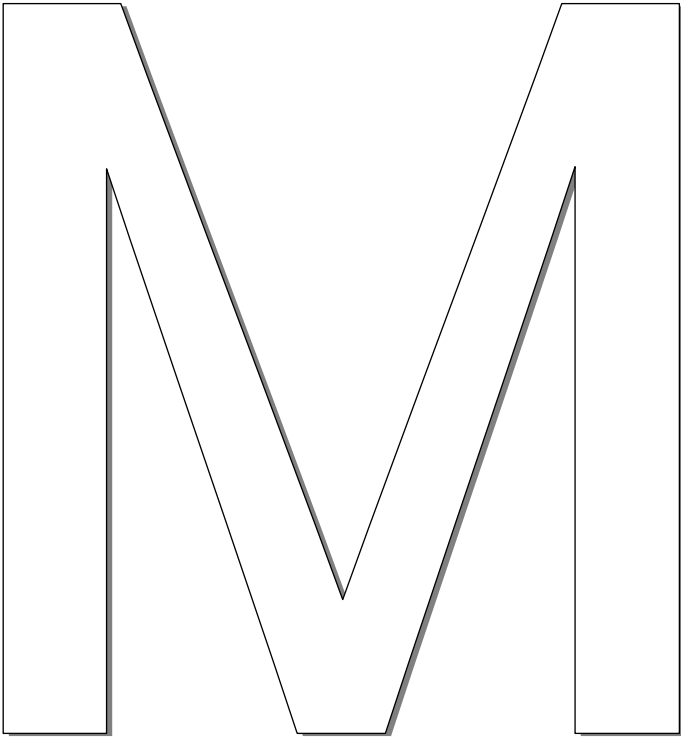
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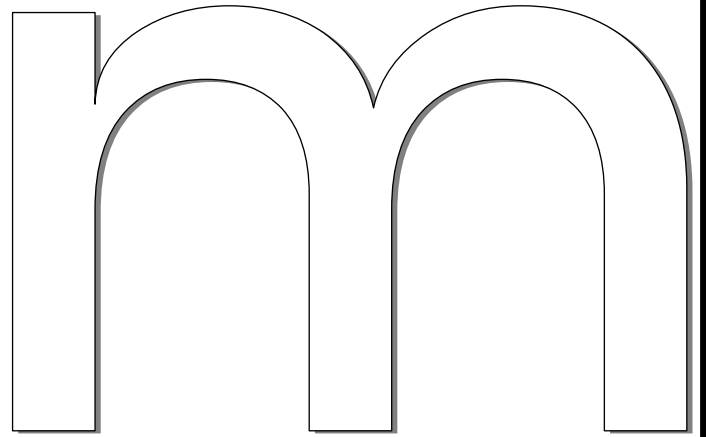
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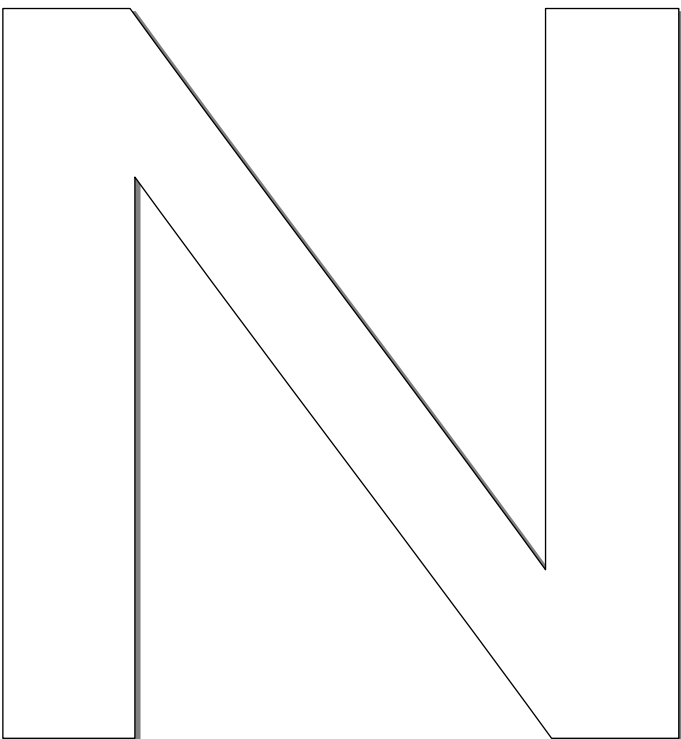
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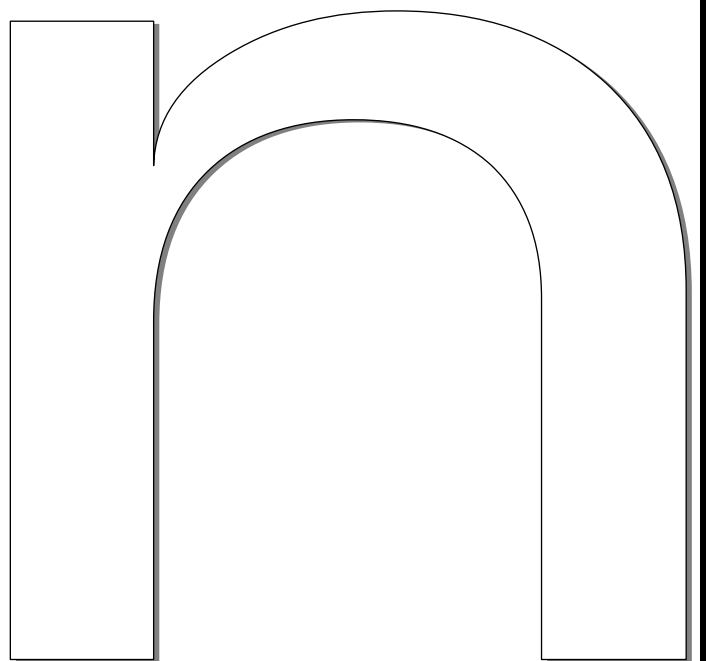
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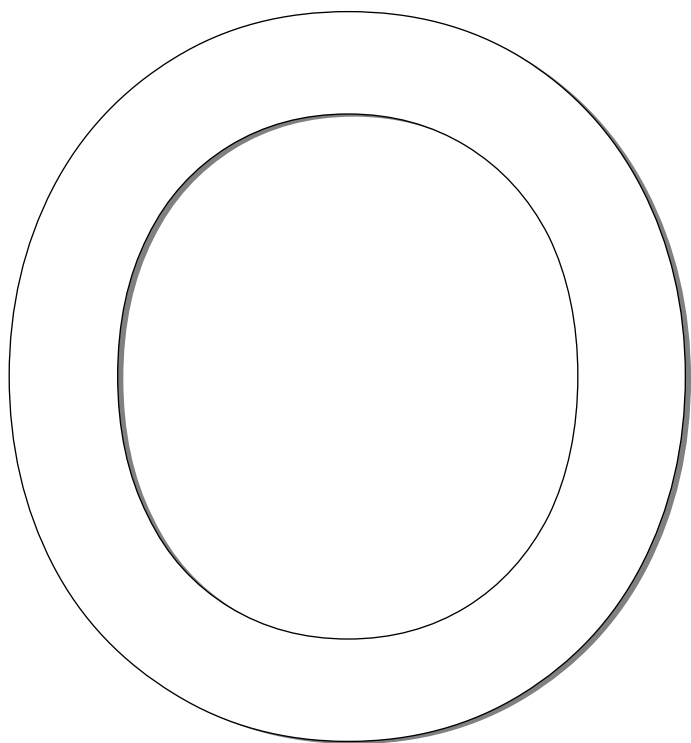
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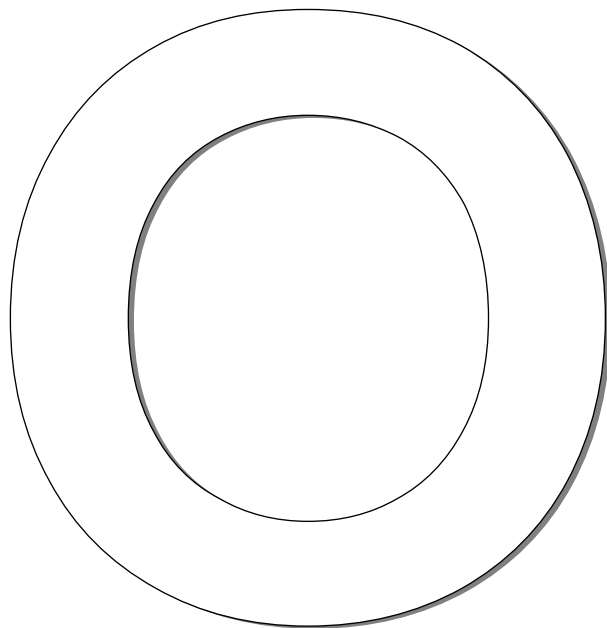
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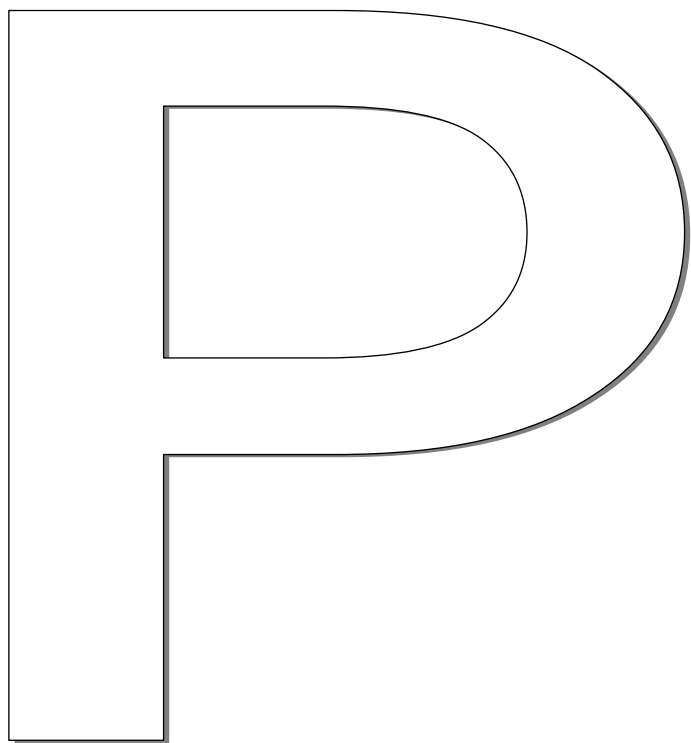
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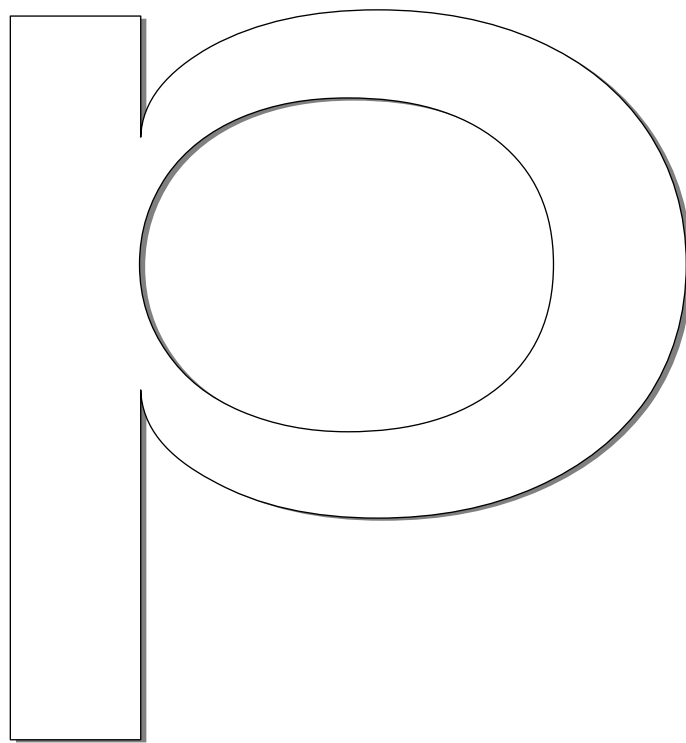
LITTLE BINS FOR LITTLE  HANDS

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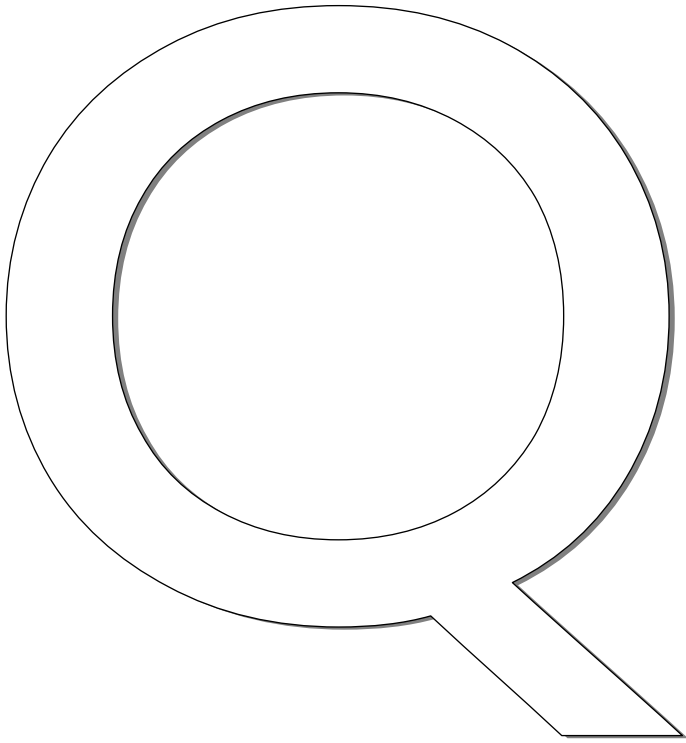
LITTLE BINS FOR LITTLE  HANDS

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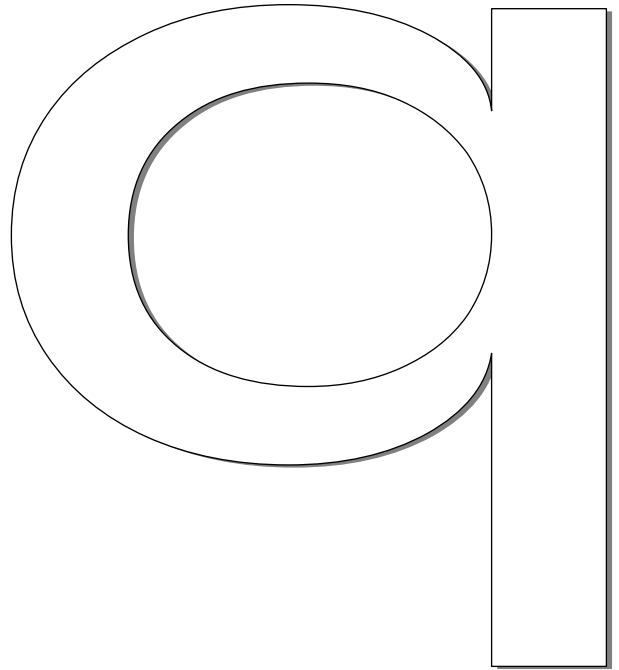
LITTLE BINS FOR LITTLE  HANDS

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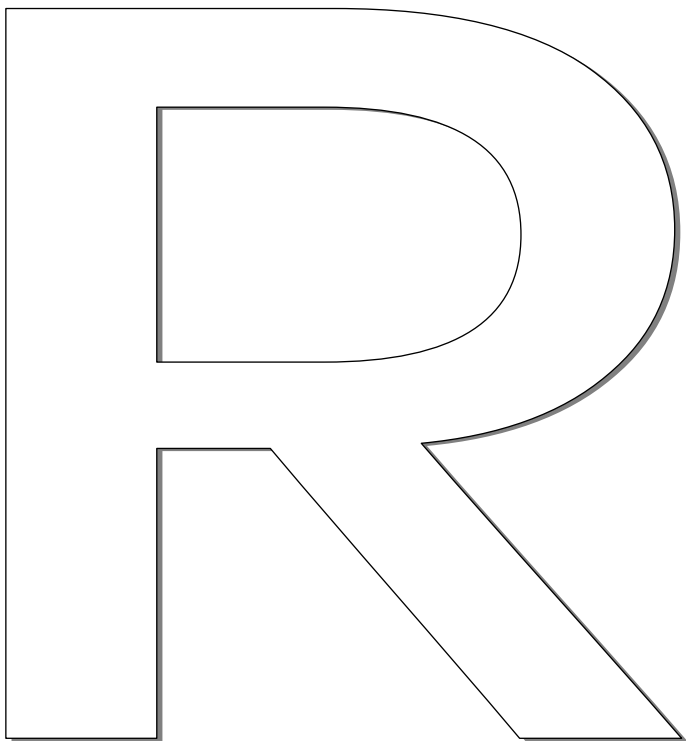
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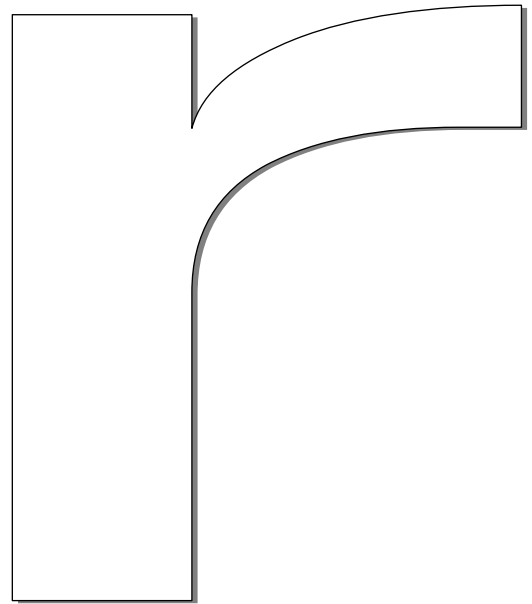
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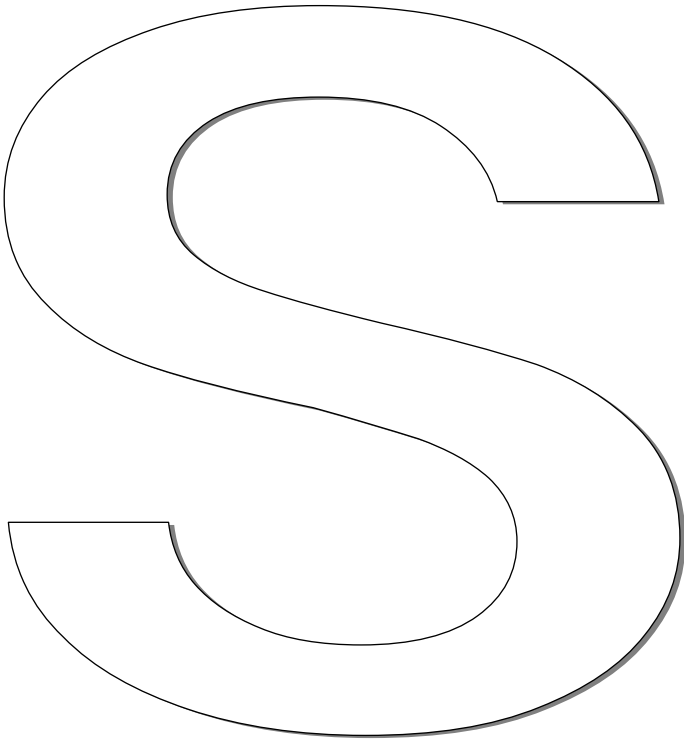
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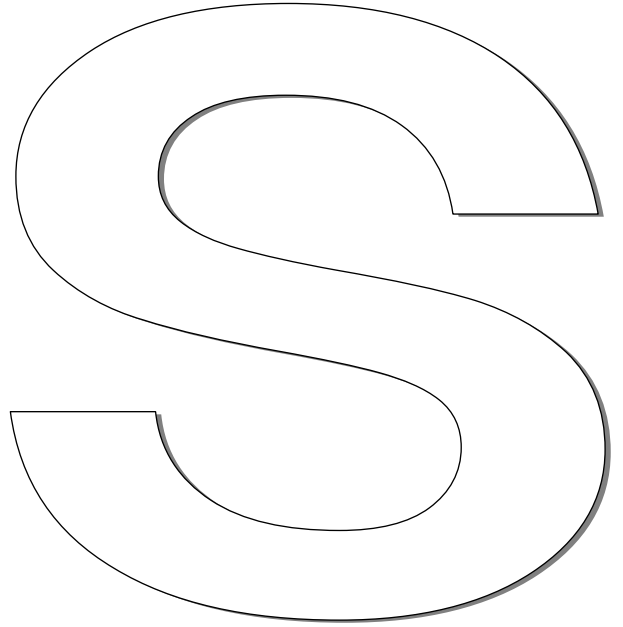
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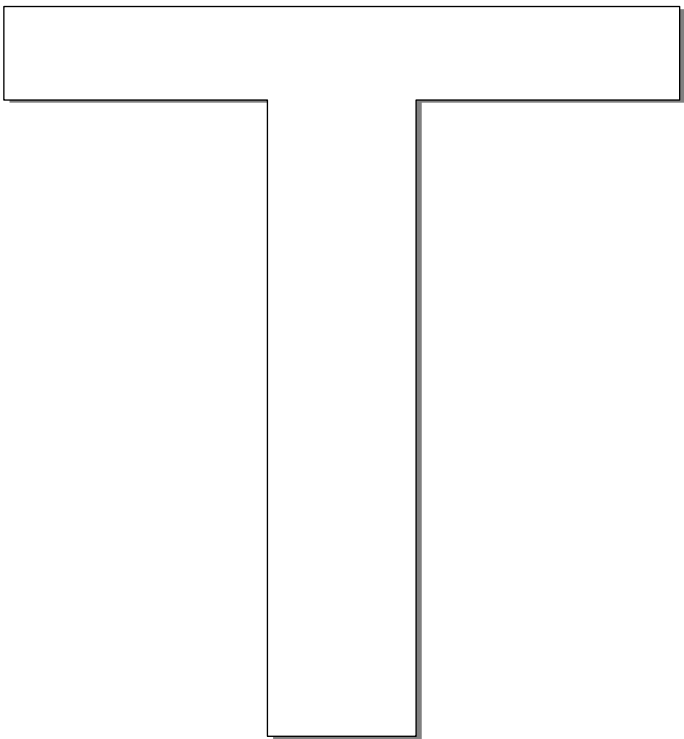
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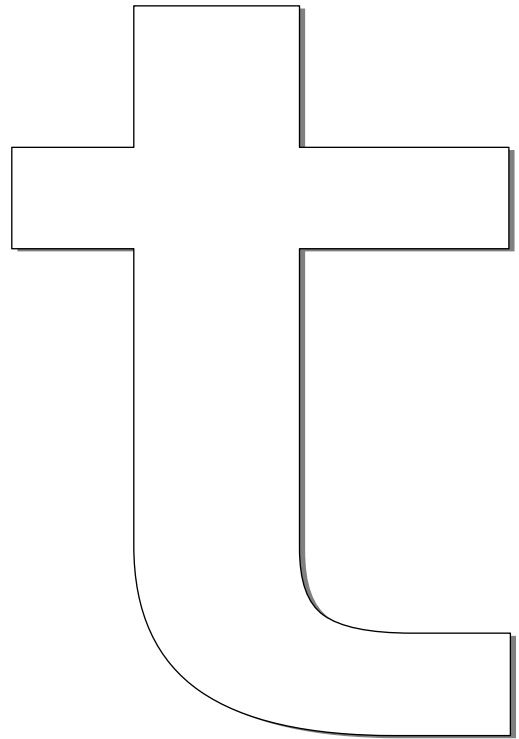
LITTLE BINS FOR LITTLE  HANDS

Build the Letter Using Your Bricks!



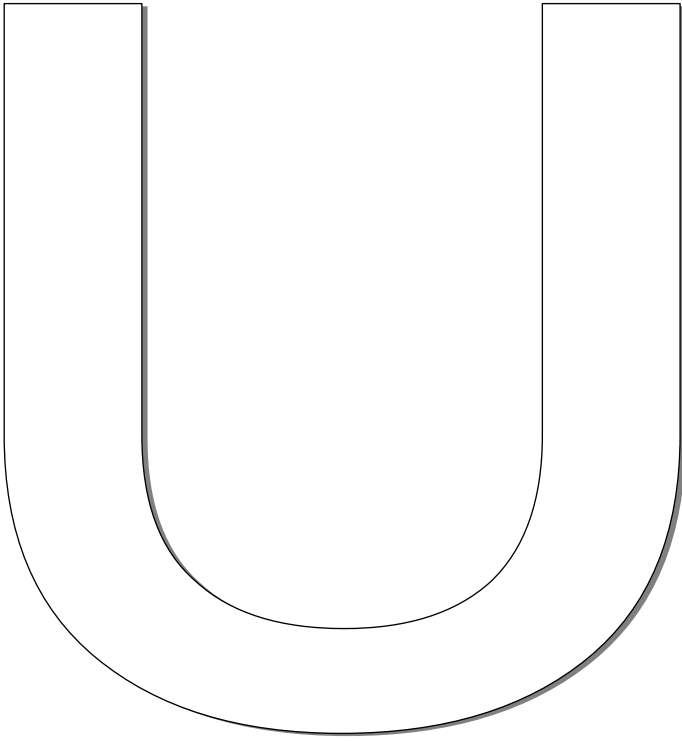
LITTLE BINS FOR LITTLE  HANDS

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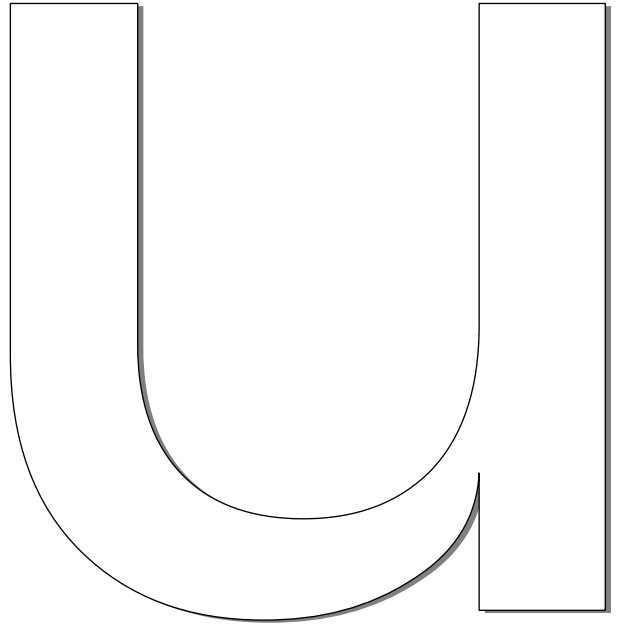
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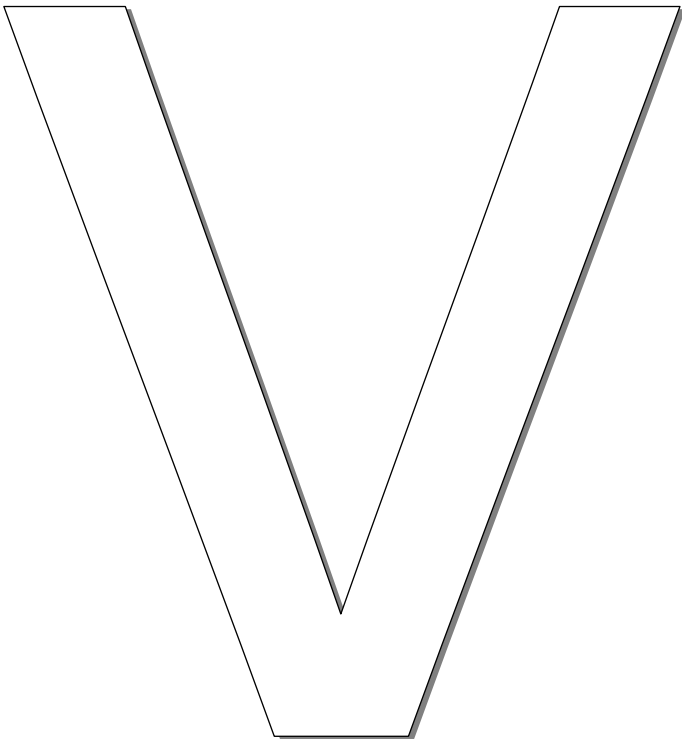
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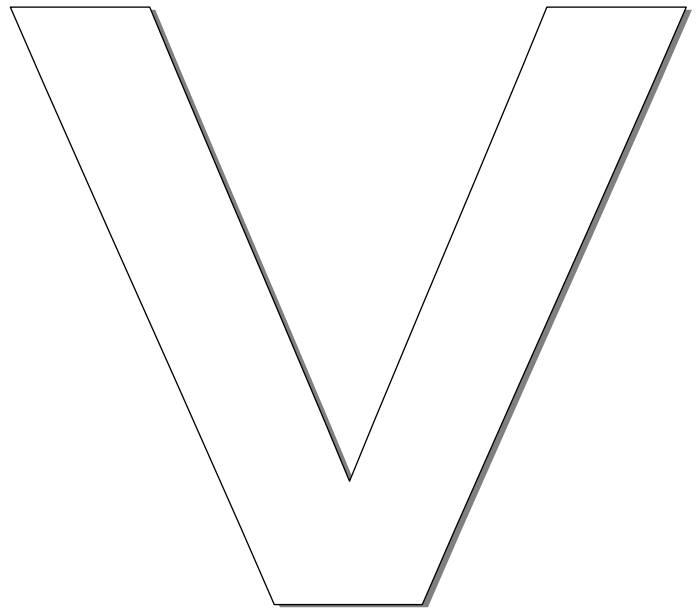
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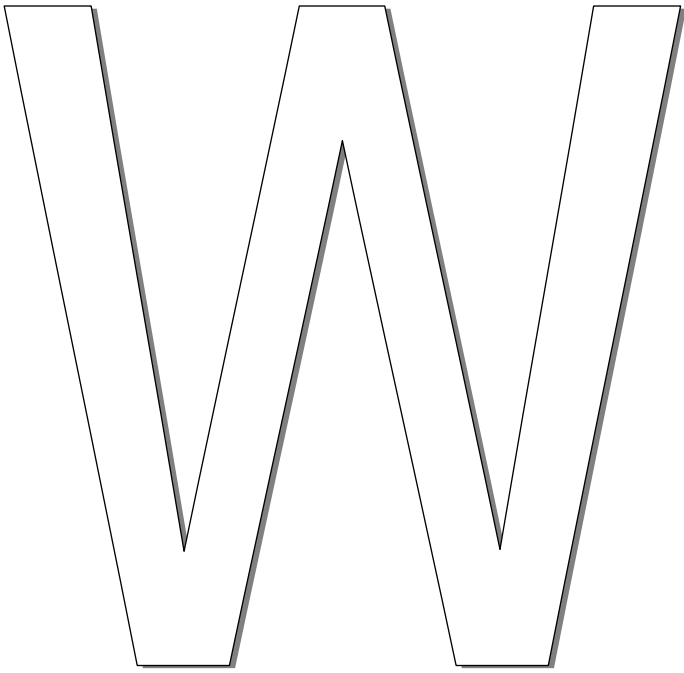
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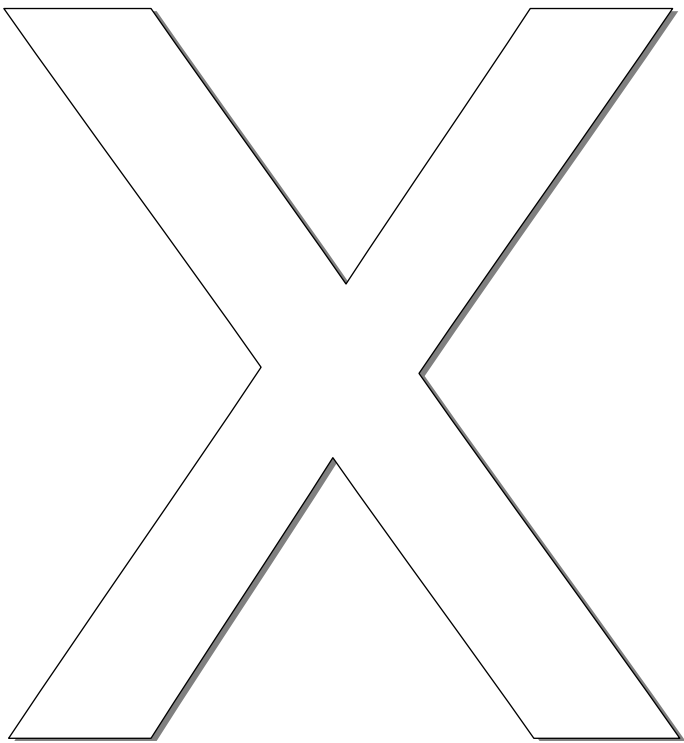
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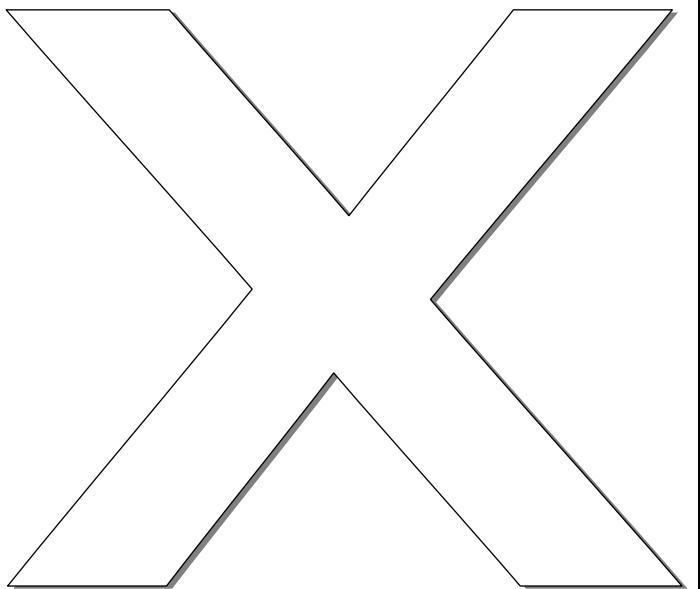
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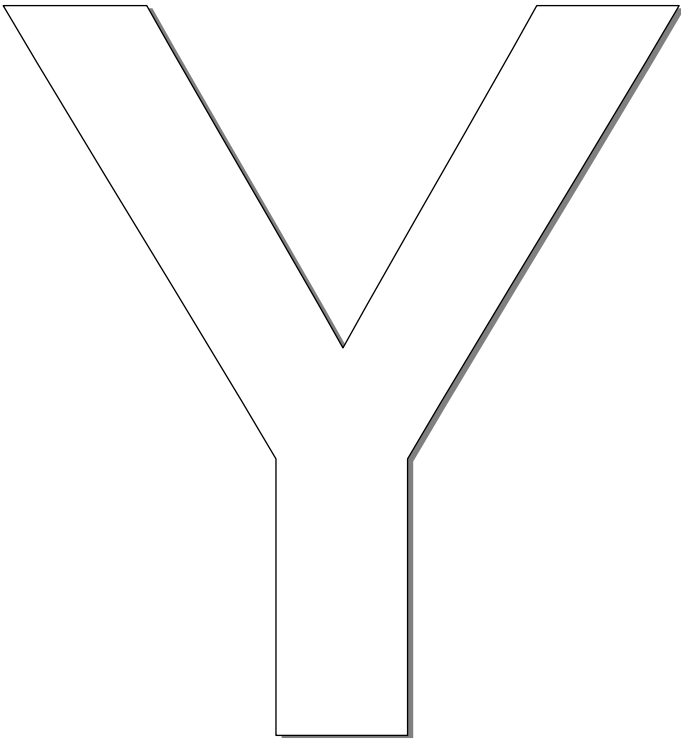
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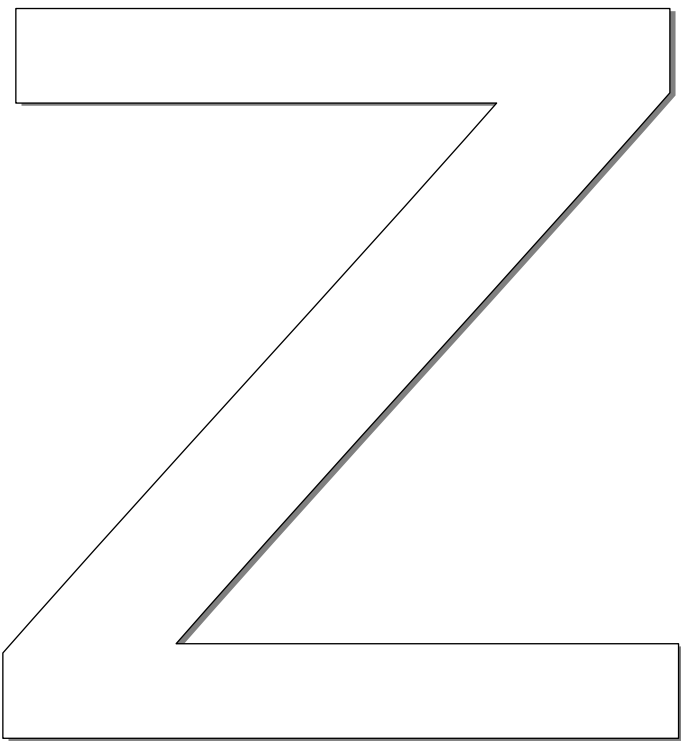
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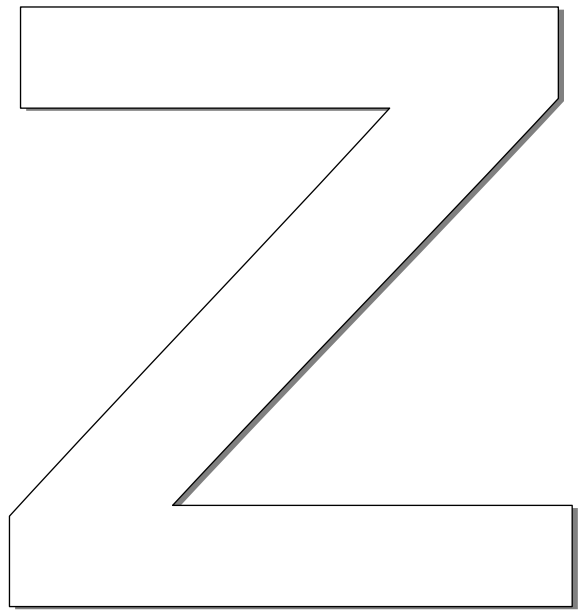
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