

The background of the image shows several white plastic mini cups, some with colorful designs. A black circular overlay is centered on the image, containing the text. The word "STEM" is written in large, colorful letters: 'S' is blue, 'T' is pink, 'E' is yellow, and 'M' is green. Below it, "Bins" is written in white. A horizontal line separates "Bins" from the text below. "SPEED" is in a white, italicized font, followed by a white gear icon, then "BUILDS" in a white, bold font. At the bottom, "MINI CUPS" is written in a white, bold font.

**STEM**

**Bins<sup>®</sup>**

---

***SPEED* ⚙️ **BUILDS****

**MINI CUPS**

# CONTENTS

\*\*\*"Build it FLAT" cards recommended for Pre-K-2<sup>nd</sup> Grade

\*\*\*"Build it UP" cards recommended for  
advanced 1<sup>st</sup> Grade-5<sup>th</sup> Grade

Page 3: How to Use

Page 4: Organization

Page 5: What are My Students Learning?

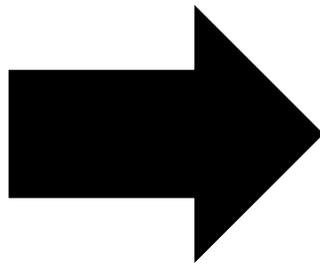
Page 6: Mini Cups covers

Pages 7-9: Mini Cups - Build it FLAT

Pages 10-12: Mini Cups - Build it UP

Page 13: Credits

CLICK HERE  
FOR MORE  
SPEED BUILD  
SETS!



# HOW TO USE

STEM Bins Speed Builds are ideal for hands-on morning work, early finishers, enrichment, and team building. Two different difficulty levels are provided: "Build it Flat" and "Build it Up" to accommodate a range of learning levels. There are 12 cards provided per difficulty level.

Students can "race" to complete tasks or can complete tasks independently. The colors of the materials on the cards DO NOT need to match structures.

## OPTIONS FOR USE:

### 1) PARTNER OR SMALL GROUP SPEED BUILDS:

Groups of 2-4 students race to build each challenge card the quickest. The first student to complete the build hits a buzzer or bell and "wins" that card. Play continues for the full set of cards.

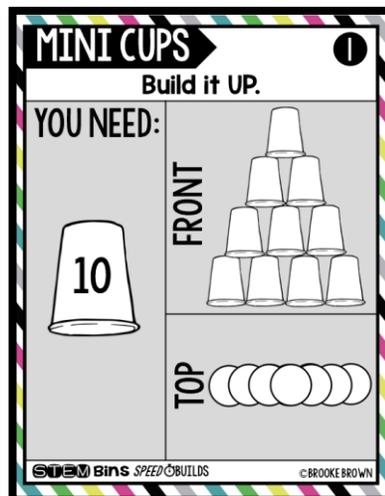
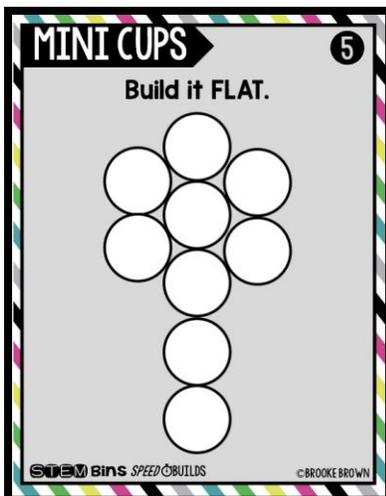
[CLICK HERE FOR SUGGESTED BUZZER SET](#)



### 2) INDEPENDENT SPEED BUILDS:

Students work through each challenge card independently.

**LEVEL 1:**  
Build it FLAT  
(Pre-K-  
2nd Grade)



**LEVEL 2:**  
Build it UP  
(Advanced 1st  
Grade-5th Grade)

# ORGANIZATION

Card sets will fit in 4 x 6 photo cases, or you may hole punch them and put them on a binder ring.

[CLICK HERE FOR LINK TO PHOTO CASE BOX](#)



Build it Flat  
Cards

Build it Up  
Cards



Optional  
Answer  
Buzzers

## Required Materials PER STUDENT

\*\*\*Colors of materials DO NOT need to match cards.\*\*\*

Mini Cups	12 Mini Cups
-----------	--------------

# WHAT ARE MY STUDENTS LEARNING?

- Spatial Reasoning
- Logical Thinking
- Problem Solving
- Examining Multiple Perspectives
- Composing and Decomposing Structures
- Shape Translations
- Exploring, Comparing, and Contrasting Properties of Materials
- Fine Motor Skills
- Perseverance
- Sportsmanship



# MINI CUPS: COVER CARDS

Use the covers below for 4 x 6 photo cases  
or the front of the Speed Build card rings.

**STEMBins<sup>®</sup>**  
**SPEED ⚙️ BUILDS**



**MINI CUPS**



©BROOKE BROWN

**STEMBins<sup>®</sup>**  
**SPEED ⚙️ BUILDS**



**MINI CUPS**

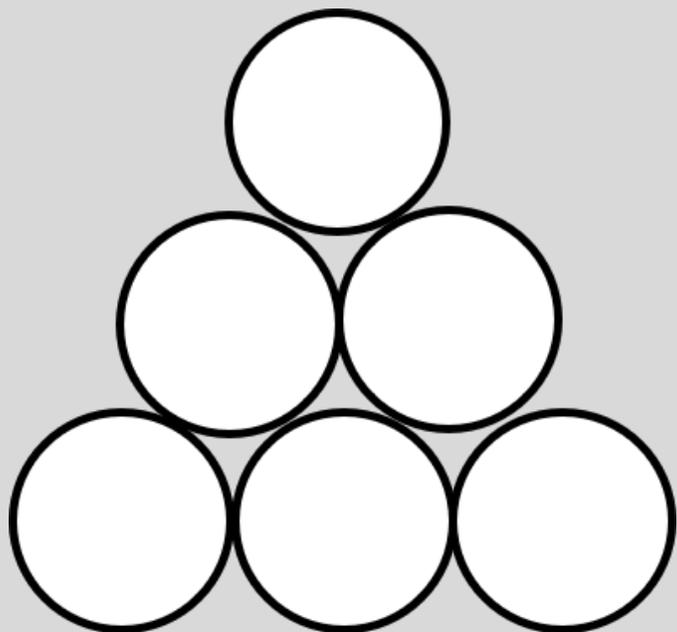


©BROOKE BROWN

# MINI CUPS

1

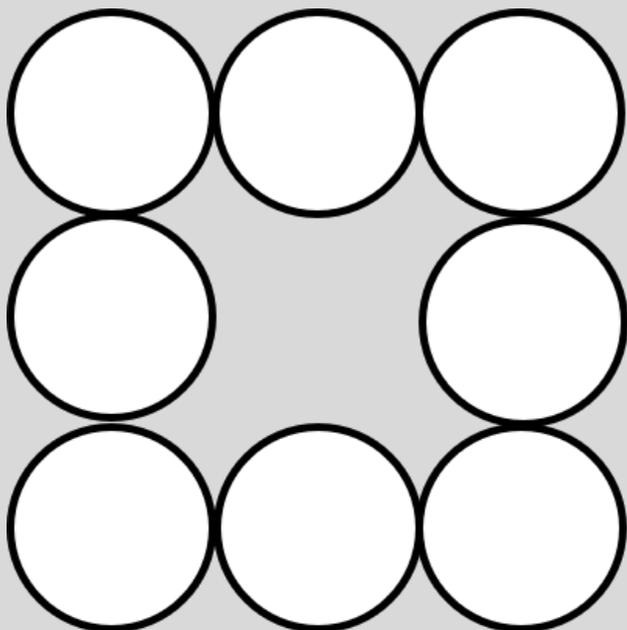
Build it FLAT.



# MINI CUPS

2

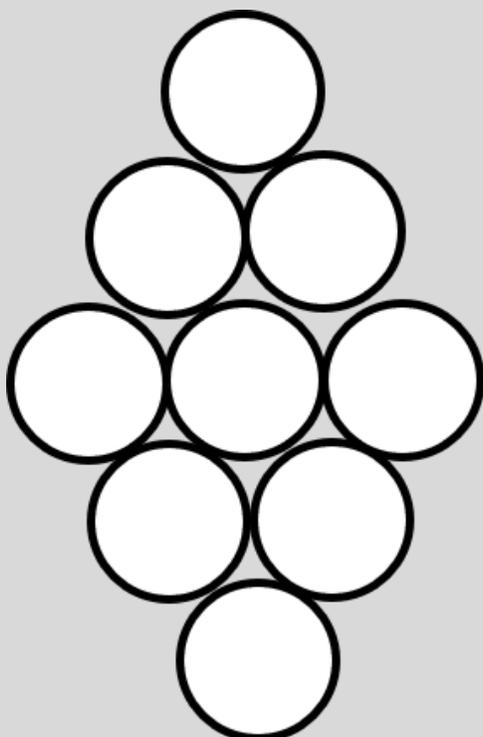
Build it FLAT.



# MINI CUPS

3

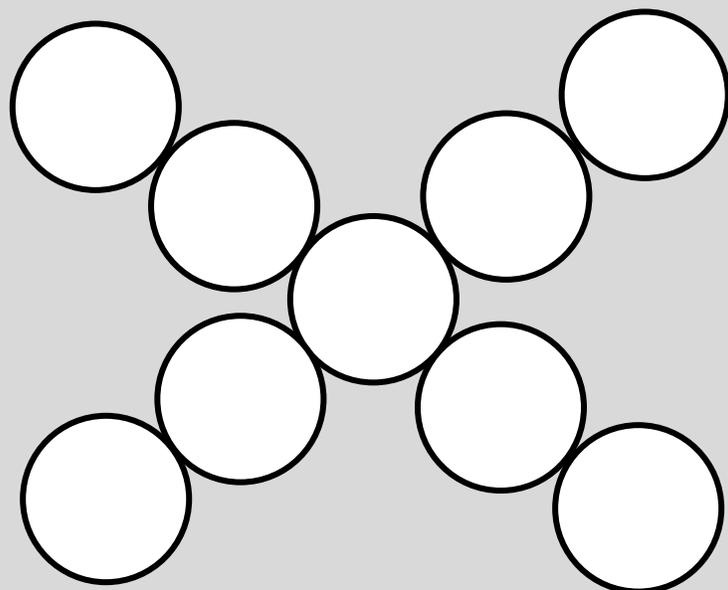
Build it FLAT.



# MINI CUPS

4

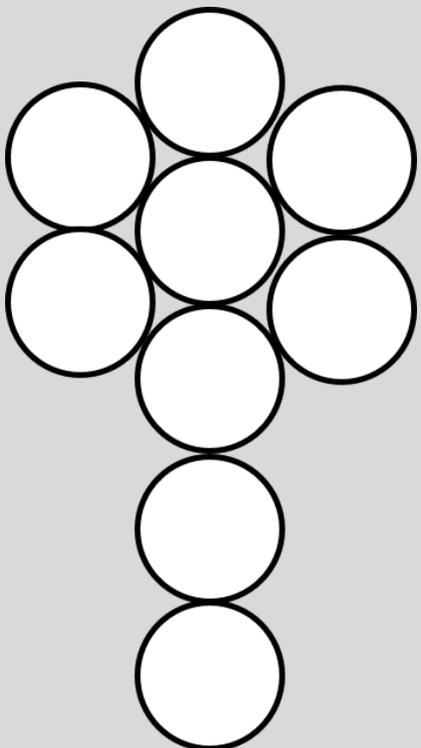
Build it FLAT.



# MINI CUPS

5

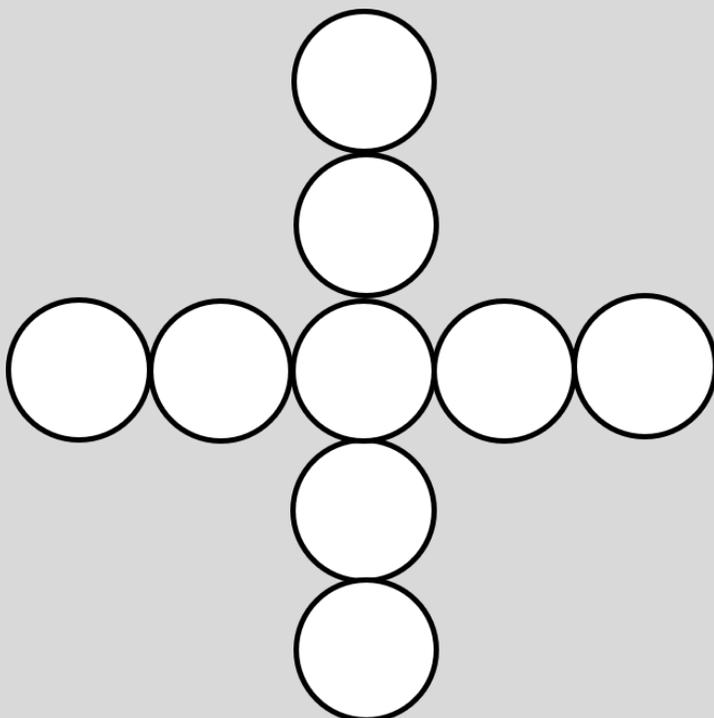
Build it FLAT.



# MINI CUPS

6

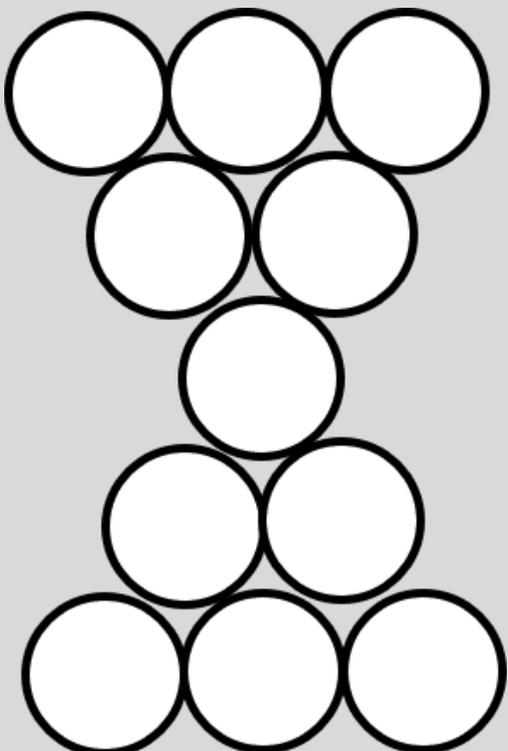
Build it FLAT.



# MINI CUPS

7

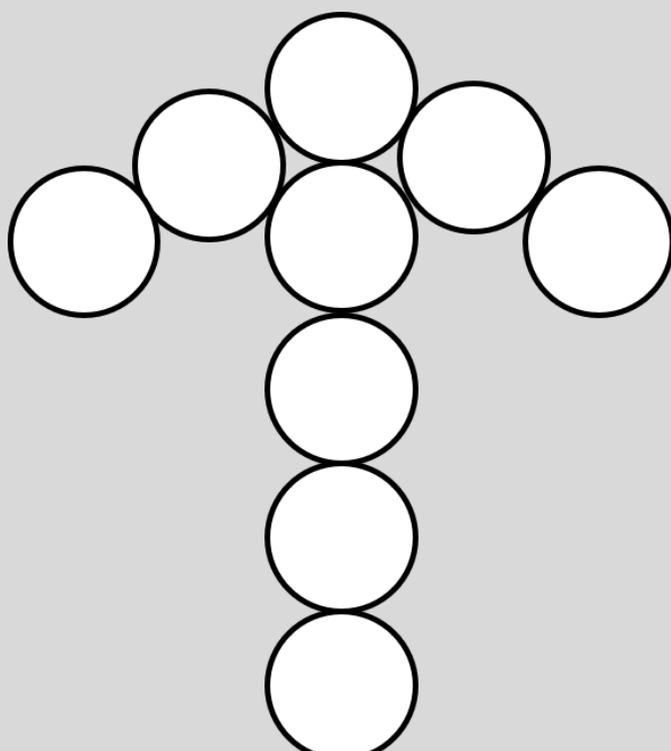
Build it FLAT.



# MINI CUPS

8

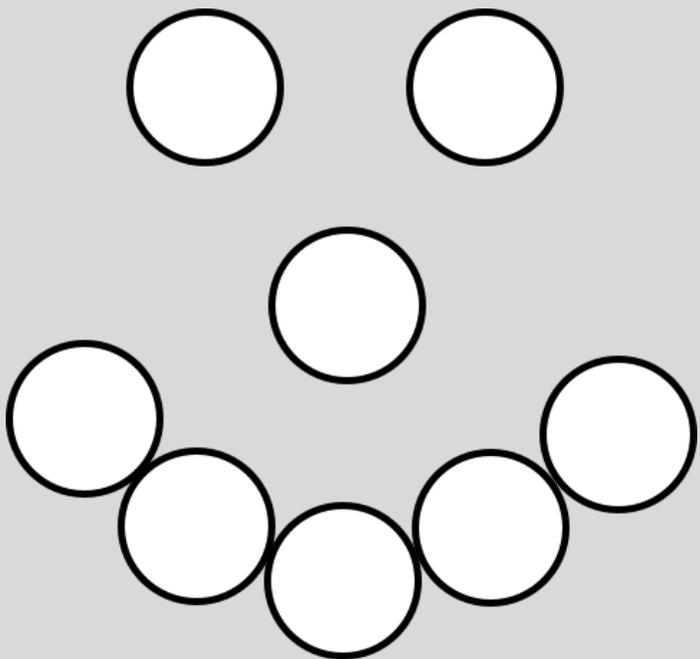
Build it FLAT.



# MINI CUPS

9

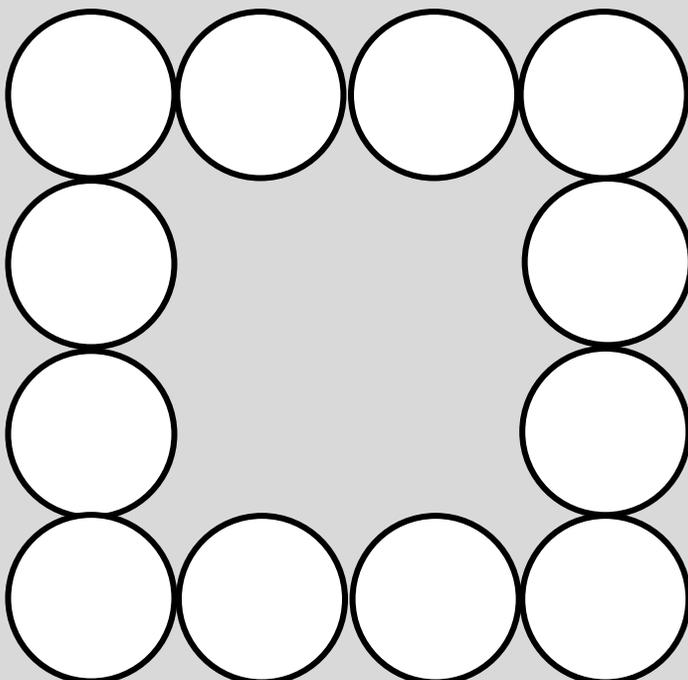
Build it FLAT.



# MINI CUPS

10

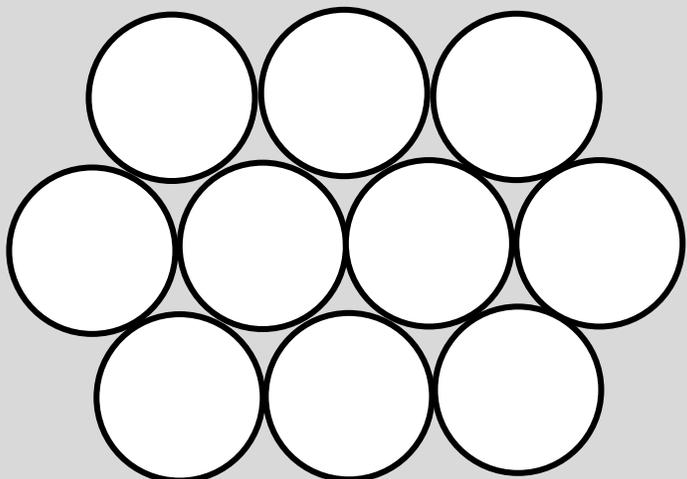
Build it FLAT.



# MINI CUPS

11

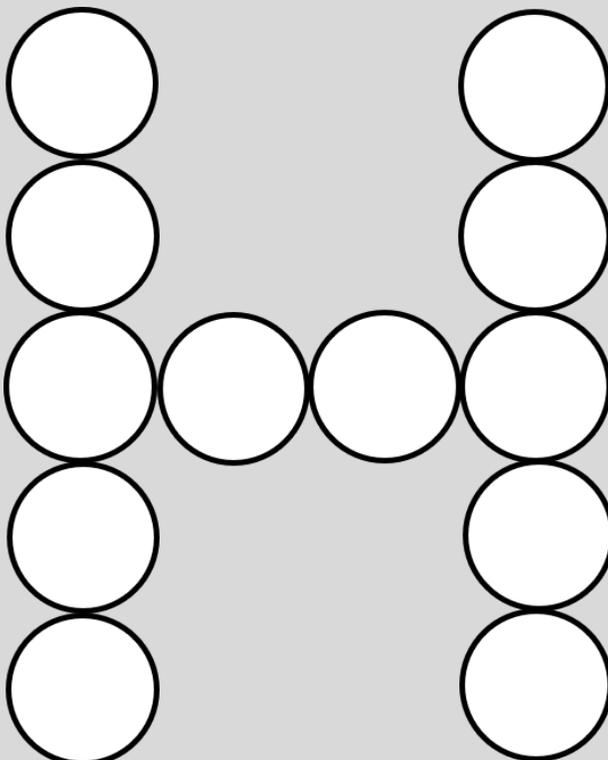
Build it FLAT.



# MINI CUPS

12

Build it FLAT.

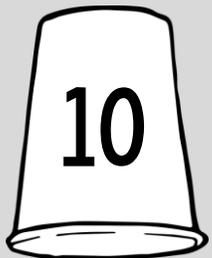


# MINI CUPS

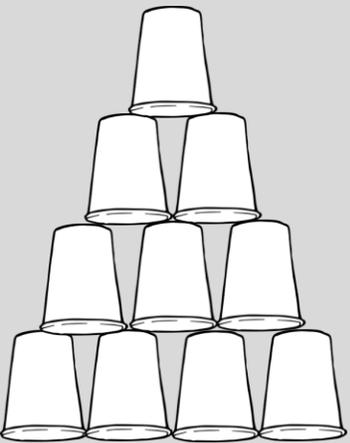
1

Build it UP.

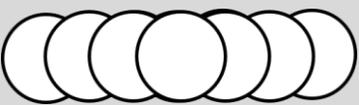
YOU NEED:



FRONT



TOP

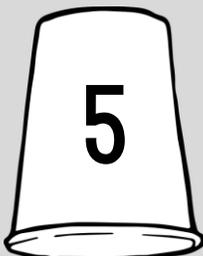


# MINI CUPS

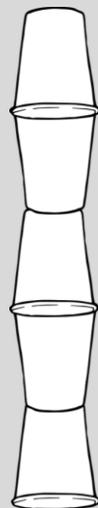
2

Build it UP.

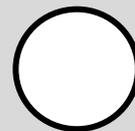
YOU NEED:



FRONT



TOP

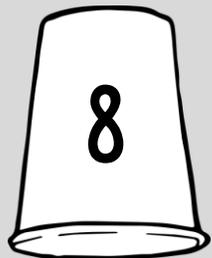


# MINI CUPS

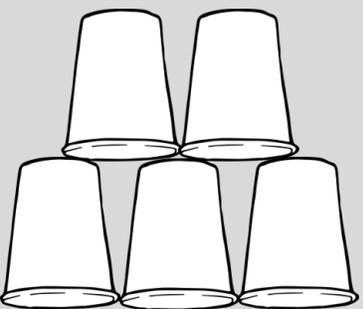
3

Build it UP.

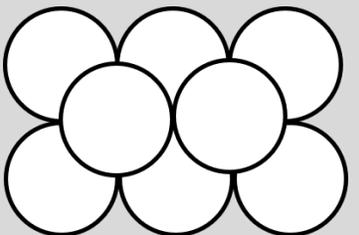
YOU NEED:



FRONT



TOP

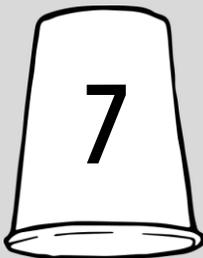


# MINI CUPS

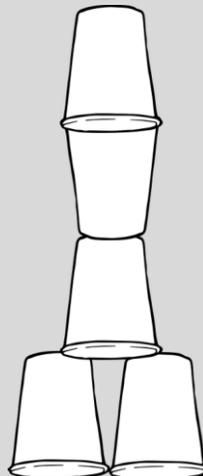
4

Build it UP.

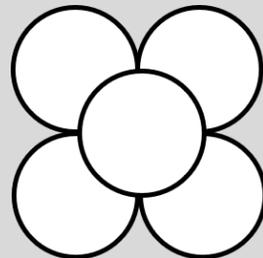
YOU NEED:



FRONT



TOP

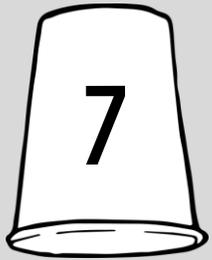


# MINI CUPS

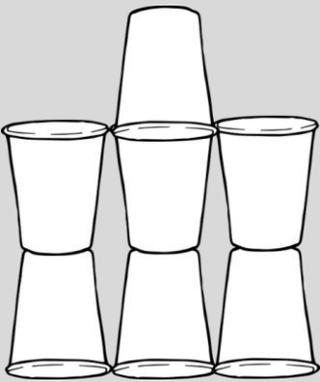
5

Build it UP.

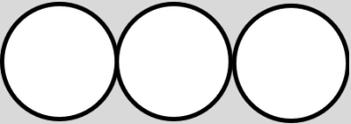
YOU NEED:



FRONT



TOP

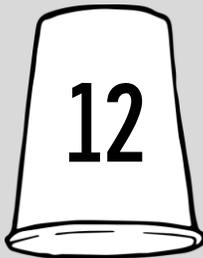


# MINI CUPS

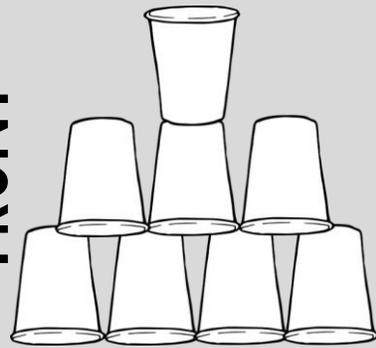
6

Build it UP.

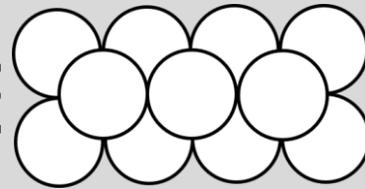
YOU NEED:



FRONT



TOP

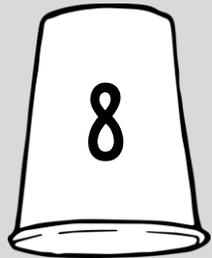


# MINI CUPS

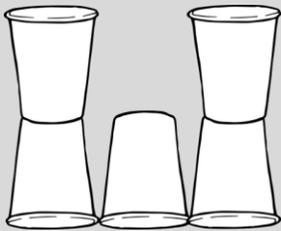
7

Build it UP.

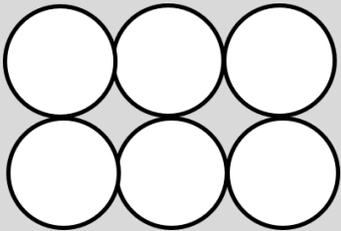
YOU NEED:



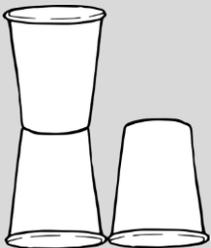
FRONT



TOP



SIDE

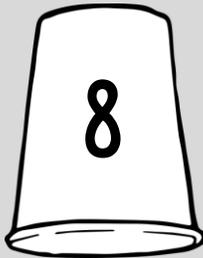


# MINI CUPS

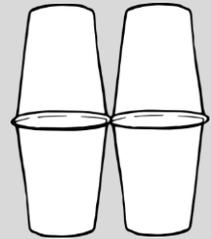
8

Build it UP.

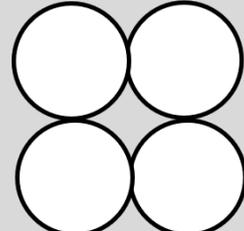
YOU NEED:



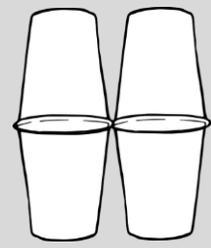
FRONT



TOP



SIDE



# MINI CUPS

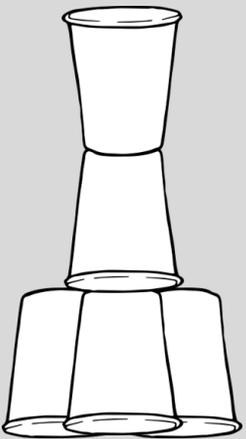
9

Build it UP.

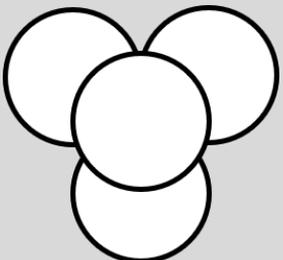
YOU NEED:



FRONT



TOP

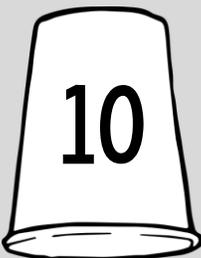


# MINI CUPS

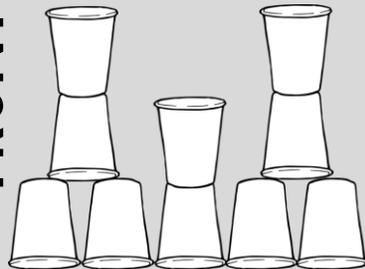
10

Build it UP.

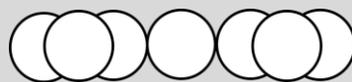
YOU NEED:



FRONT



TOP

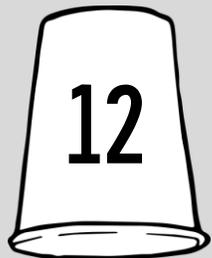


# MINI CUPS

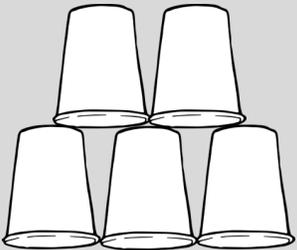
11

Build it UP.

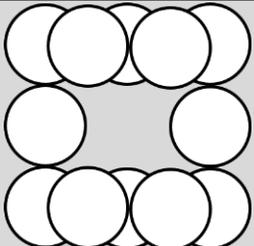
YOU NEED:



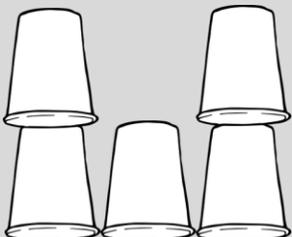
FRONT



TOP



SIDE

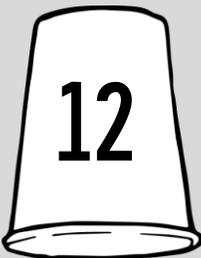


# MINI CUPS

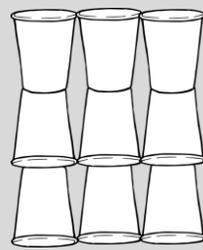
12

Build it UP.

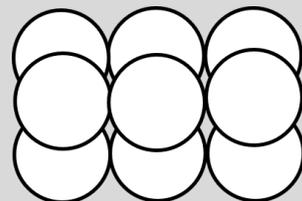
YOU NEED:



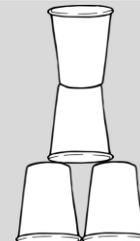
FRONT



TOP



SIDE



# TERMS OF USE & CREDITS

Thank you for purchasing a resource created by Brooke Brown of Teach Outside the Box, LLC!

## YOU MAY

- Use resources for your own personal use.
- Use resources for your own classroom and/or students
- Copy resources for use in your classroom by your students.
- Purchase unlimited additional licenses for others.
- Review resources for the purpose of recommendation, provided that you provide a link for resources to be purchased directly from Teach Outside the Box.

## YOU MAY NOT

- Give resources to others without first purchasing additional licenses.
- Copy resources for use by others without first purchasing additional licenses.
- Post resources (or any portion or modification thereof) on the internet or any website without first obtaining written consent from Brooke Brown.
- Copy or modify any part of this document to offer to others for free or for sale.

## CREDITS

Thank you to the following artists for your amazing fonts, digital elements, and clip art that make my resources beautiful and functional!

