

My
**Ice
cream**
shop





Stack & Add!

Learning Goals:

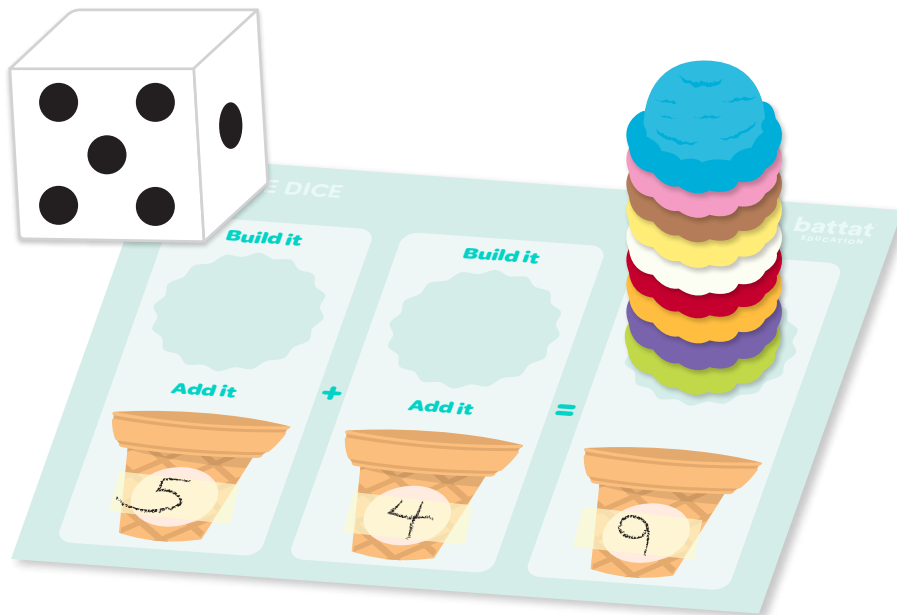
This activity helps your child explore numbers and practice addition. Kids find it easier to understand math concepts like numbers and addition when they use real objects (e.g., fruit, toys, or snacks) [1, 2]. Using these objects makes abstract ideas more tangible and makes learning math symbols easier and more fun [3].

Set Up:

- Print and follow the instructions on the Number Dice page to build the die. Keep tape or glue nearby.
- Print the Roll the Dice page. Place scotch tape in each cone's circle for dry erase use.
- Gather a dry erase marker, ice cream scoops, and cones from the set.

How to Play:

1. Roll the die and count the dots. Stack the same number of scoops in the left "Build It" section and write the number on the cone in the same column.
2. Repeat step 1 using the middle column.
3. Stack the scoops from the left and middle columns onto the right one. Count the total scoops and write the number on the cone in the right column.
4. Stack the scoops on a cone from the ice cream set. Ta-da! Your ice cream is ready!



Once your child is comfortable counting scoops, introduce the plus and equals signs.



Melt or Move!

My Ice Cream Shop Printable Activity Instructions

Learning Goals:

This activity helps your child practice number recognition, counting, and get familiar with addition and subtraction [4]. Kids learn math concepts better when they're active [5], so we've added hands-on activities and yoga challenge dice to make learning fun and engaging for your child.

Set Up:

Print the Game Board and Players sheets. Print and cut out the Game Tokens, Yoga Dice, and Number Dice. Place the Game Tokens nearby. Follow the instructions on pieces to assemble the characters and dice.

How to Play:

For 2-4 Players

- Each player picks a character and places it at the start.
- Players roll the number die; the highest roll starts the game.
- Take turns rolling the die, moving forward by the number rolled.
- The game ends when the first player lands exactly on the final block (e.g., from 33, you need to get 3 dots on the die to finish the game)

Game Rules:

- **Melting Cone:** Slide down to the number the cone points to (e.g., from 15 to 1).
- **Stacked Cone:** Move up to the number at the top of the cone (e.g., from 5 to 11).
- **Token Picture:** Take the token and place it on your character section of the Players sheet.
- **No Tokens Left:** You won't get any if there are no tokens left.
- **Both Players on Same Number with Token:** Both get the token and take a yoga challenge. Roll the yoga die and hold the pose for a count of 10. Successful players stay; those who can't hold the pose move back one number.

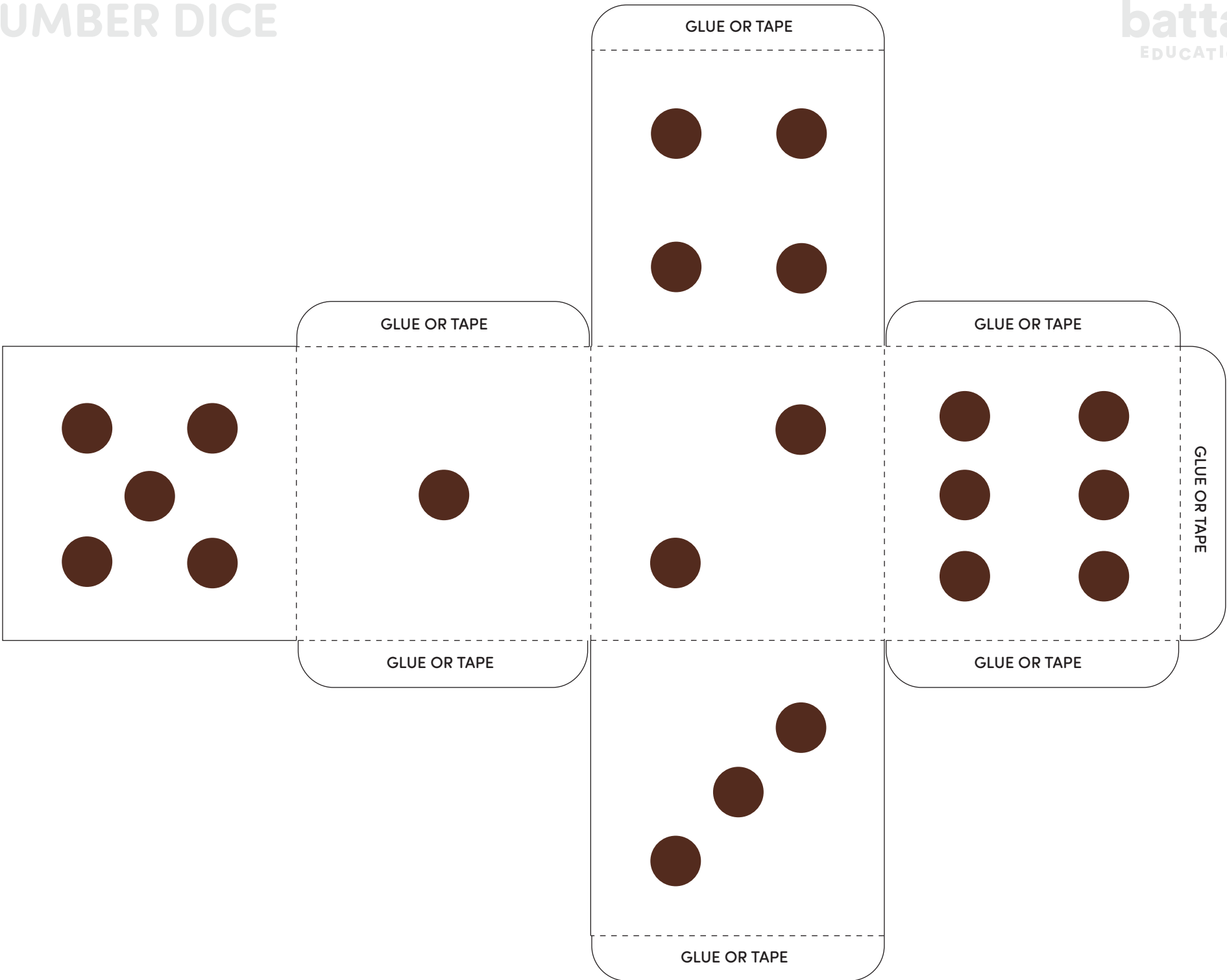
Scoring:

- Ice cream tokens are worth 1 point, and toppings are worth 2 points.
- The first to reach the final point takes one token from the player with the most.
- The winner is the player with the highest score.

Note: To simplify the rules, give 1 point to all tokens.



NUMBER DICE



ROLL THE DICE

Build it



Add it



+

Build it



Add it



=

Total





35

34

33

32

31

30

29

28

27

26

25

24

23

22

21

20

18

17

16

15

14

13

12

11

10

9

8

7

6

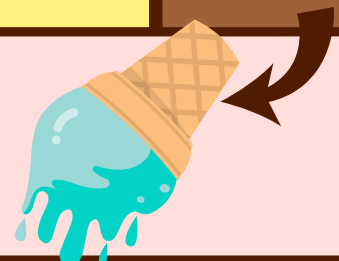
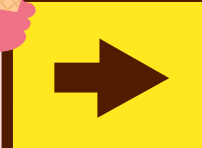
5

4

3

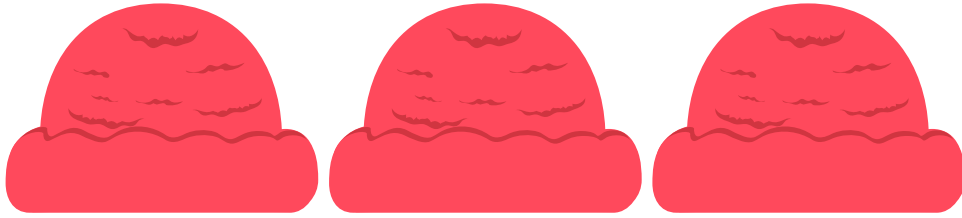
2

1

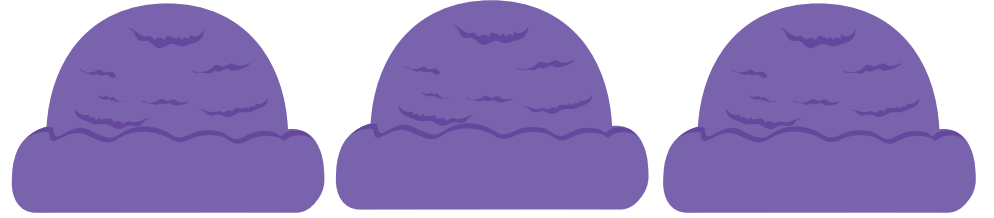


GAME TOKENS

Cherry



Ube



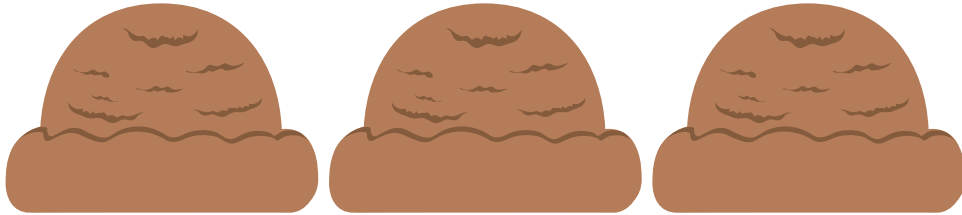
Bubble Gum



Strawberry



Chocolate



Vanilla



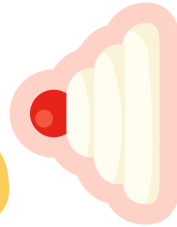
Caramel



Lemon



Pistachio



FOLD

BOTTOM

FOLD

TAPE HERE

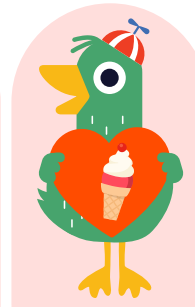


FOLD

BOTTOM

FOLD

TAPE HERE



FOLD

BOTTOM

FOLD

TAPE HERE



FOLD

BOTTOM

FOLD

TAPE HERE



1. _____
TOTAL



2. _____
TOTAL



3. _____
TOTAL



4. _____
TOTAL





**Ice Cream
Twist Pose**

This illustration shows a young boy with red hair, wearing a green t-shirt and dark blue shorts, performing the Ice Cream Twist Pose. He is standing with his feet wide apart, arms raised, and his torso twisted to the right.

GLUE OR TAPE

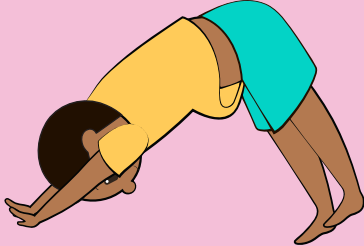


Summer Pose

GLUE OR TAPE

This illustration shows a young girl with blonde hair in a ponytail, wearing a red t-shirt and pink shorts, performing the Summer Pose. She is lying on her back with her knees bent and feet flat on the floor, arms extended to the sides.

GLUE OR TAPE



**Upside-down
Scooper Pose**


This illustration shows a young boy with dark hair, wearing a yellow t-shirt and teal shorts, performing the Upside-down Scooper Pose. He is in a downward dog position, with his head touching the floor and his feet together.



Milkshake Pose

This illustration shows a young girl with dark hair, wearing a pink t-shirt and teal shorts, performing the Milkshake Pose. She is standing on her left leg, with her right leg raised and bent, and her arms extended to the sides.

GLUE OR TAPE



Popsicle Pose

GLUE OR TAPE

This illustration shows a young girl with black hair in a bun, wearing a pink t-shirt and grey shorts, performing the Popsicle Pose. She is standing on her left leg, with her right leg raised and bent, and her hands in a prayer position.



**Ice Cream
Sandwich Pose**

GLUE OR TAPE

This illustration shows a young girl with dark hair in two buns, wearing a light green t-shirt and pink shorts, performing the Ice Cream Sandwich Pose. She is in a squatting position with her hands in a prayer position.

My Ice Cream Shop

References

References:

- [1] D'angelo, F., & Iliev, N. (2012). Teaching Mathematics to Young Children through the Use of Concrete and Virtual Manipulatives. Online Submission.
- [2] Ramilo, R., Cruz, M. P., Geanga, J. P. D., & Faustino, J. B. (2022). Teachers' perspectives on optimizing manipulatives in teaching 21st century skills in kindergarten. *Journal of Childhood, Education & Society*, 3(1), 1-11.
- [3] Mpiladeri, M., Palaigeorgiou, G., & Lemonidis, C. (2016). Fractangi: A Tangible Learning Environment for Learning about Fractions with an Interactive Number Line. *International Association for Development of the Information Society*.
- [4] Russo, J., & Hopkins, S. (2017). Get your game on!: Snakes and ladders revisited. *Prime Number*, 32(1), 6-10.
- [5] Gordon., A. (2016, February 24). Kids who move while learning may absorb more, study says. *Thestar*. https://www.thestar.com/life/kids-who-move-while-learning-may-absorb-more-study-says/article_471e1db6-2d12-579f-98bc-ca31346a62e6.html#:~:text=Math%20and%20spelling%20improved%20more,those%20who%20sat%20at%20desks.&text=Kids%20who%20keep%20moving%20learn%20more%2C%20a%20new%20study%20suggests.

