

LEAP DAY MATH



CREATED BY BROOKE BROWN

CONTENTS

Pages 3-4: Supplies and Instructions

Page 5: Alternative frog option

Page 6: Student recording booklet covers

Pages 7-14: LILY PAD LEAPS:

- Addition (Lower Grades)
- Multiplication (Upper Grades)

Pages 15-24: LONGEST LEAPS:

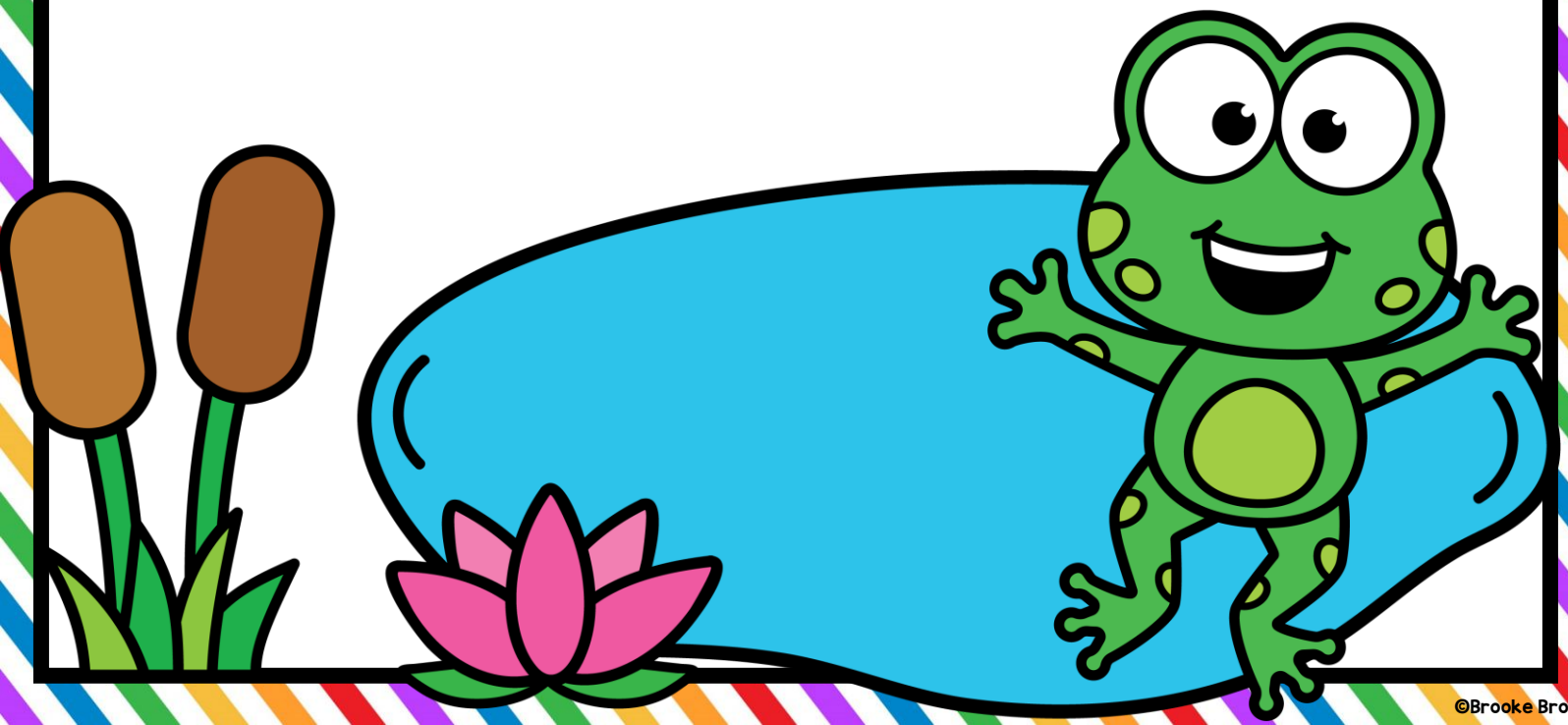
- Measurement (Lower Grades)
- Measurement & Data Analysis (Upper Grades)

Pages 25-30: FLY CATCHER:

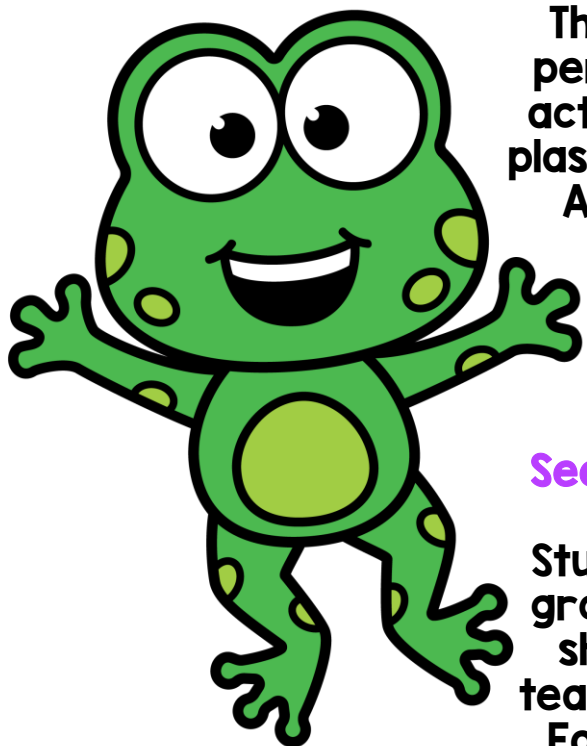
- Tally & Graph (Lower Grades)
- Place Value/Expanded Form (Upper Grades)

Pages 31-33: LEAP TO 29 (All Grades)

Pages 34-35: BONUS - HOPPY HOME (All Grades)



Leap Day Math Stations



The following Leap Day math activities are perfect for Leap Day on February 29! Each activity or game is designed to be used with plastic frog flip toys, which can be ordered on Amazon and found at some party stores.

[SUGGESTED FROGS](#)
[OTHER FROG OPTION](#)

No frog toys? No problem!
See the next page for an alternative option.

Students should work with partners or small groups of up to 6 students, and each station should be modeled and discussed with the teacher before being completed by students. Each station should take students about 20 minutes to complete. To minimize needed materials, I suggest setting up all stations for students to rotate through.

Each station has a card tent with instructions as well as student recording sheets.

STATION MATERIALS (PER GROUP OF 2-6)

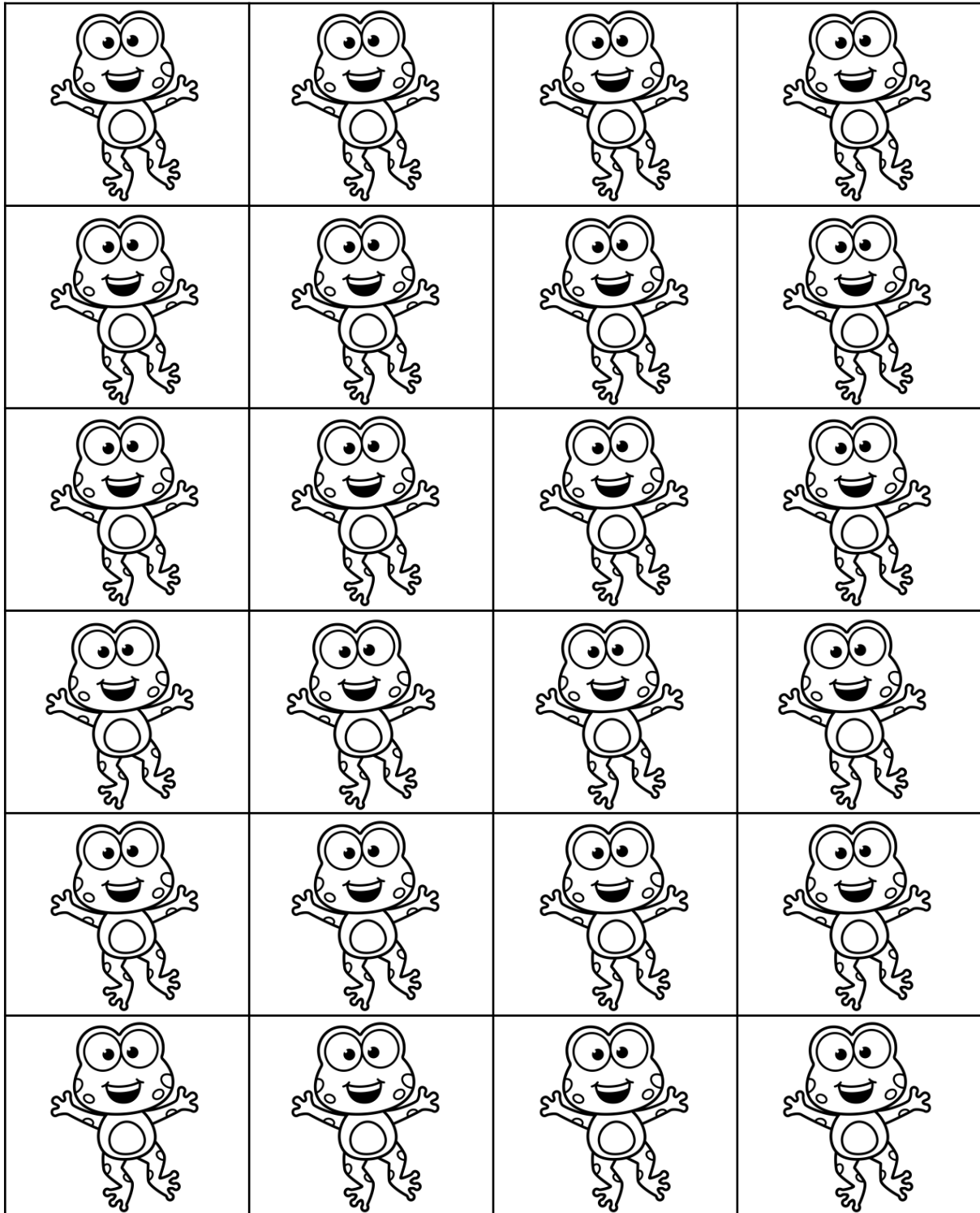
LILY PAD LEAPS	• frog toys (1 per student) • Lily Pad Leaps number mat taped together
LONGEST LEAPS	• frog toys (1 per student) • lily pad card • log measurement cards
FLY CATCHER	• frog toys (1 per student) • 6 large cups with paper flies attached
LEAP TO 29	• frog toys (1 per student) • Leap to 29 game mat (1 per pair of students) • 1 die per pair of students
BONUS: HOPPY HOME	• frog toys (1 per student) • basket of base ten blocks (100s, 10s, 1s)

ALTERNATIVE FROG OPTION

You can make your own flip frogs with these cards, a mini cup, and a plastic spoon.

Tape the frogs to mini cups.

Students can use plastic spoons to catapult the frog cups.



LEAP DAY STATIONS

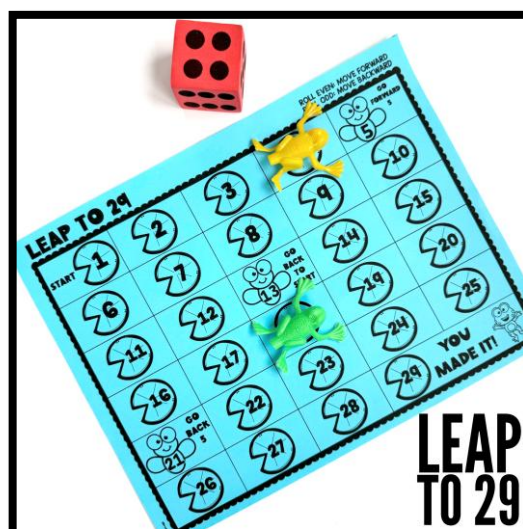
Tape log rulers together.

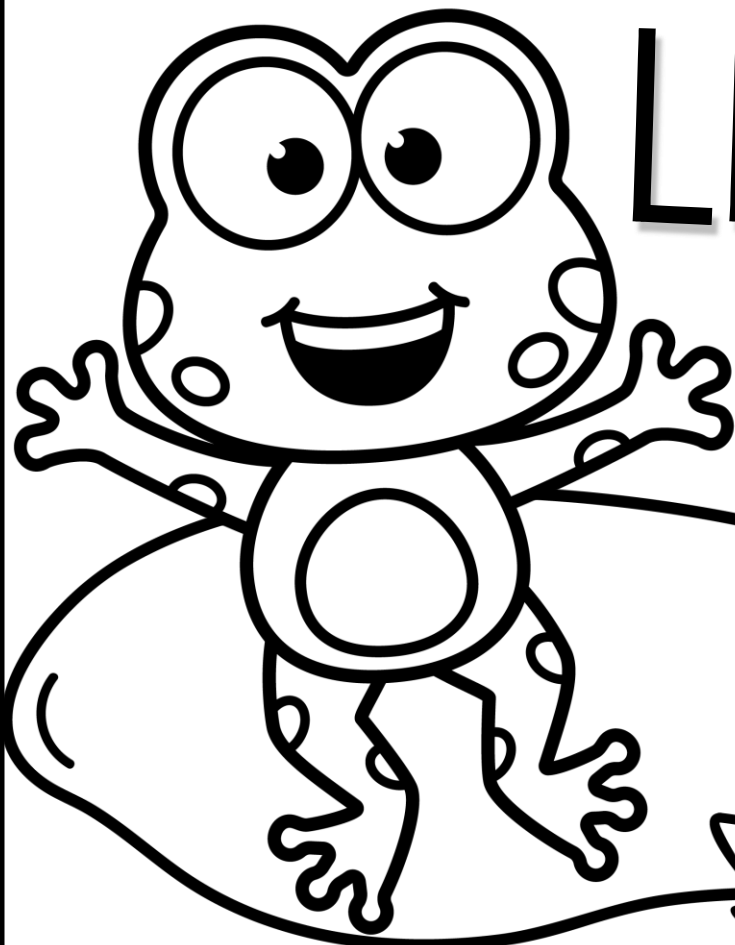


Tape number mats together and place against a wall.

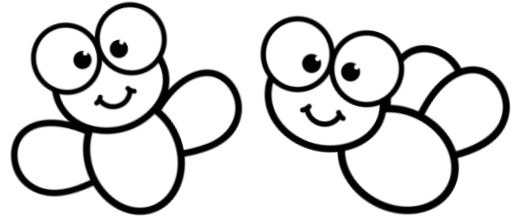


Arrange cups against a wall.



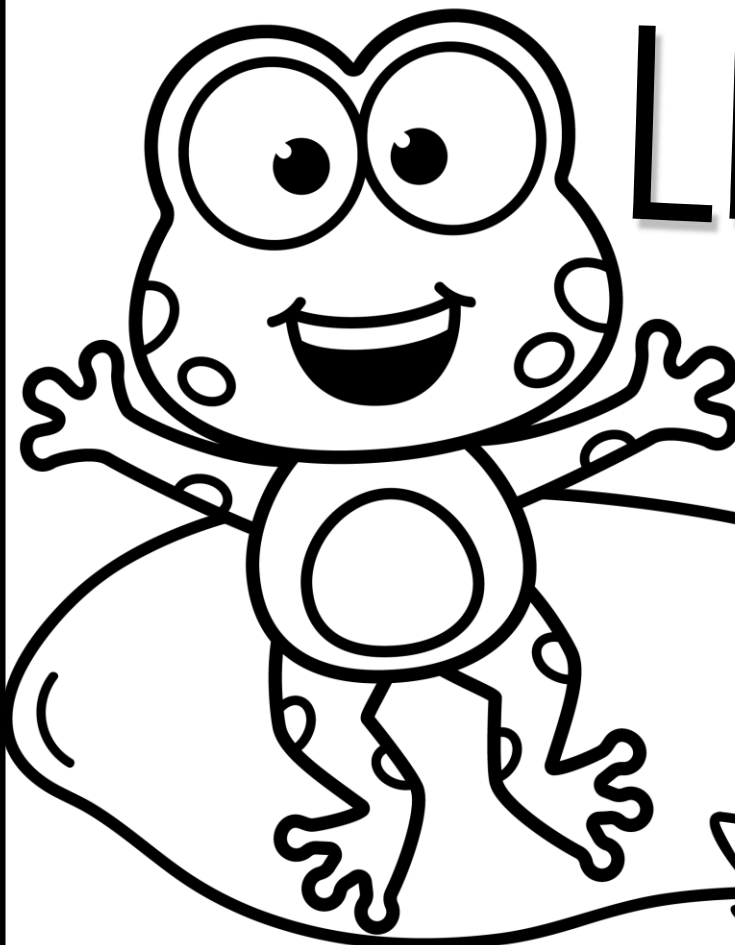


LEAP DAY MATH

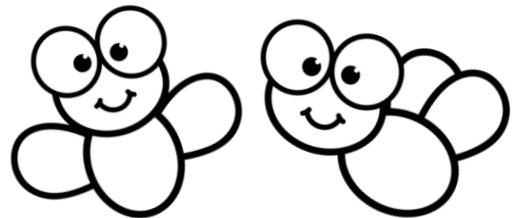


NAME:

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LEAP DAY MATH

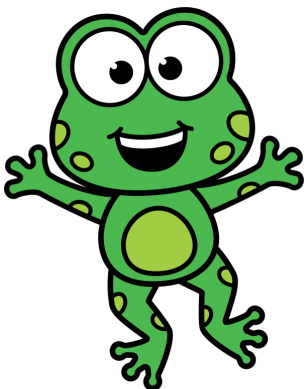


NAME:

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LILY PAD LEAPS

- 1) Flip your frog onto the Lily Pad number mat.
- 2) Write down the number that your frog lands on.
- 3) Flip your frog onto the mat again.
- 4) Write down the second number.
- 5) Add the numbers together and write the sum.



FLIP 1

+

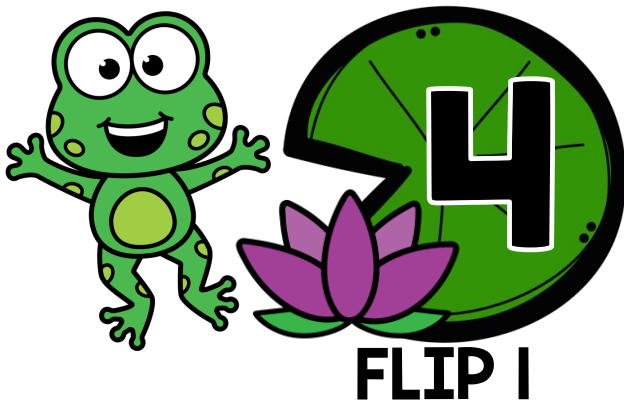


FLIP 2

= 7

LILY PAD LEAPS

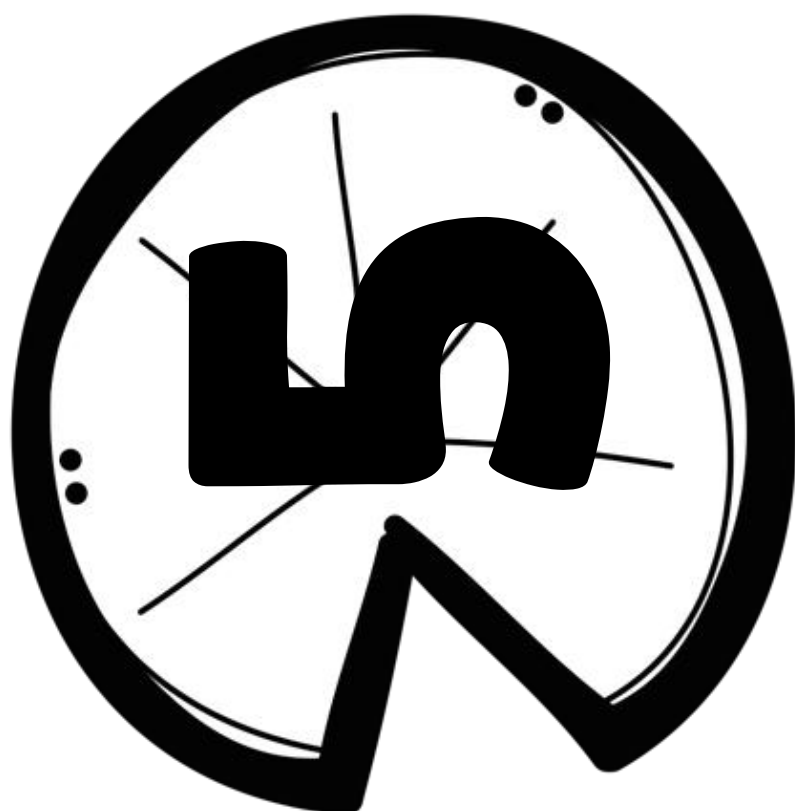
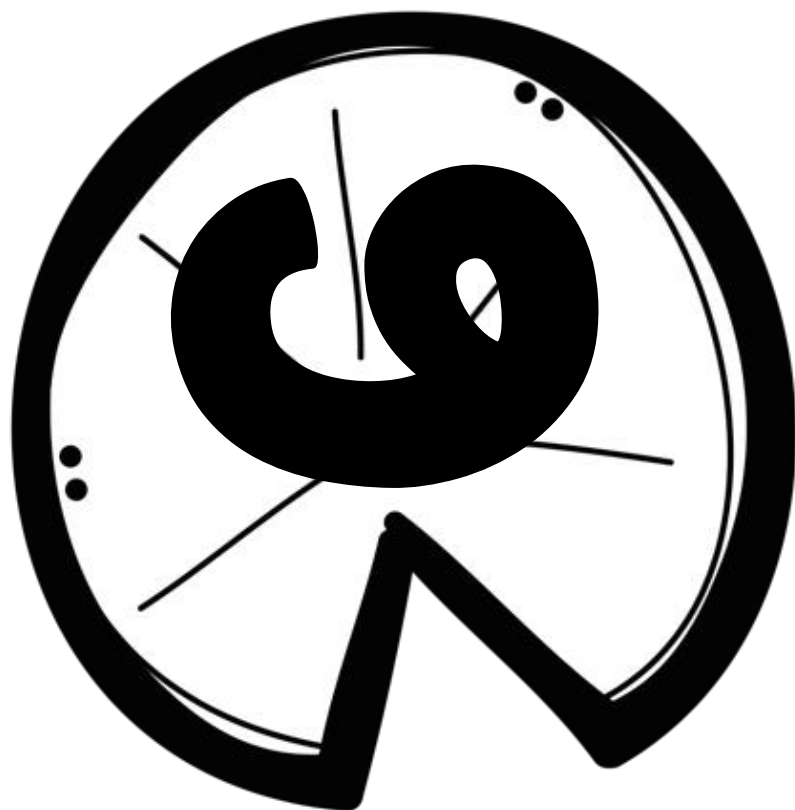
- 1) Flip your frog onto the Lily Pad number mat.
- 2) Write down the number that your frog lands on.
- 3) Flip your frog onto the mat again.
- 4) Write down the second number.
- 5) Multiply the numbers and write the product.

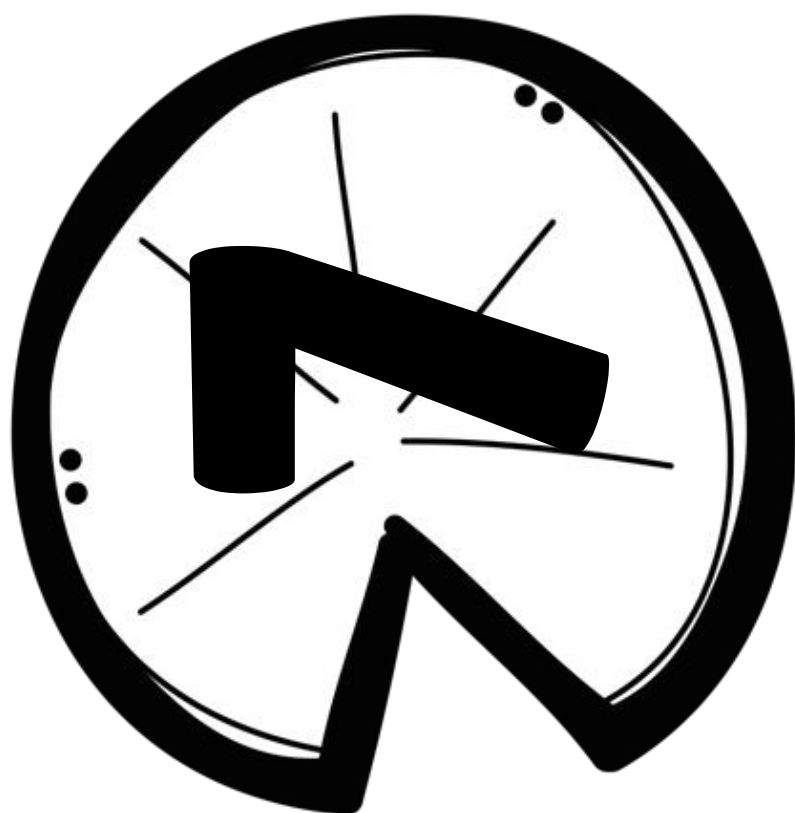
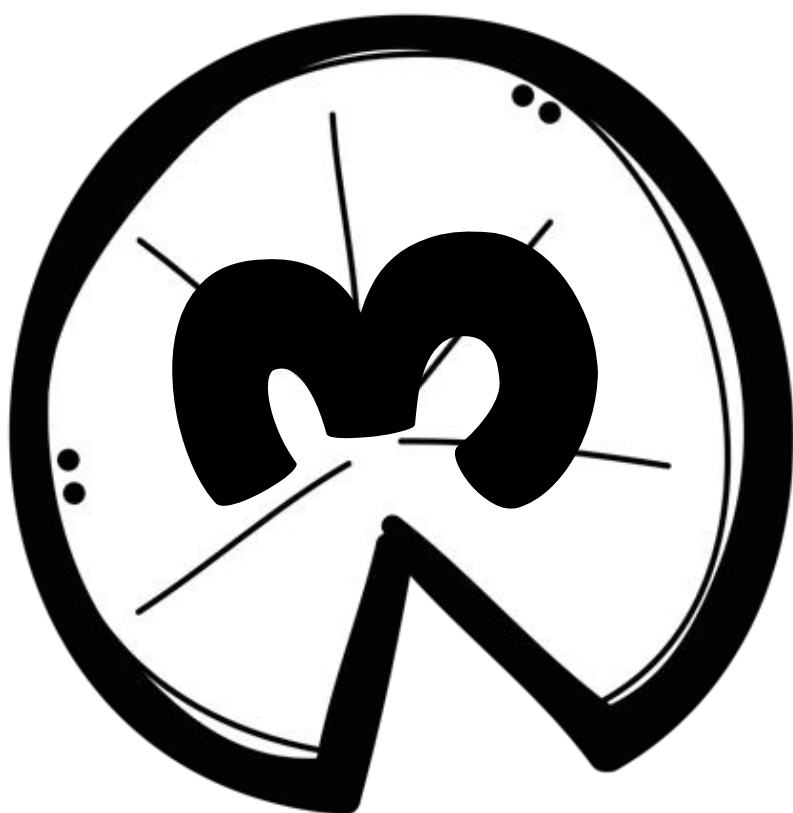
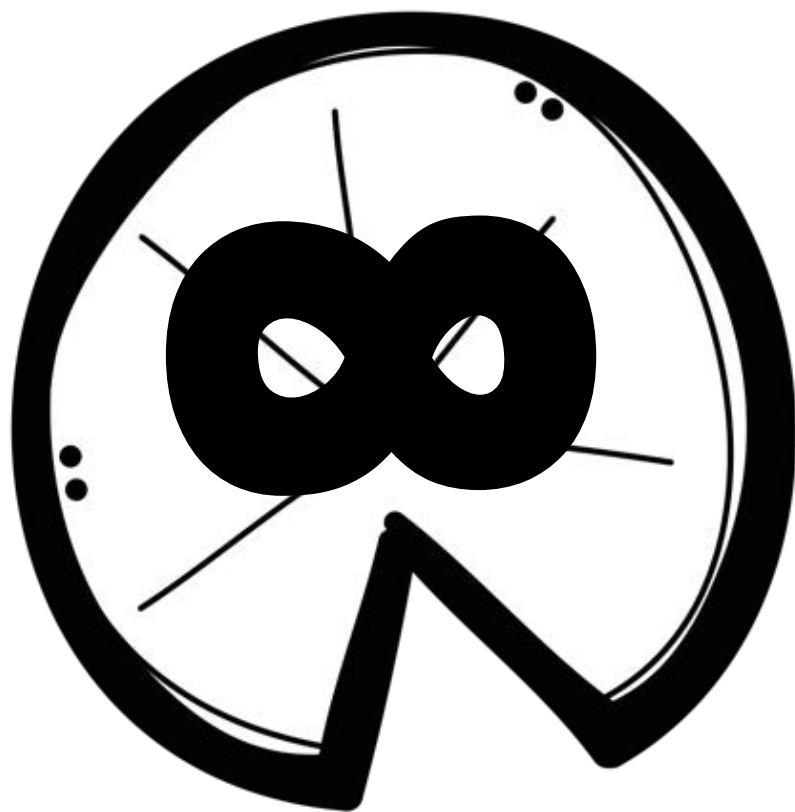
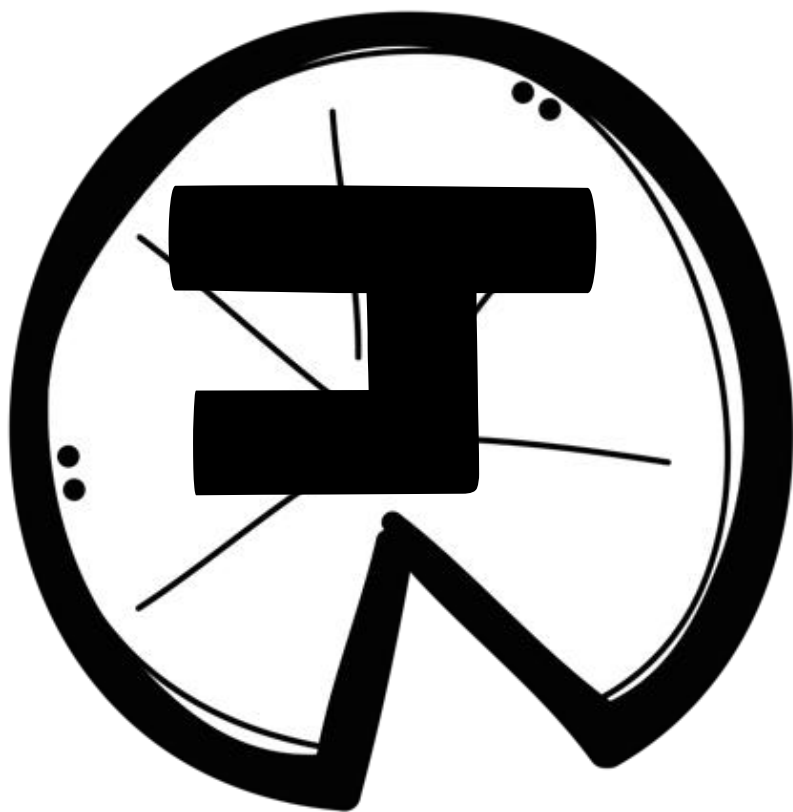


FLIP 1

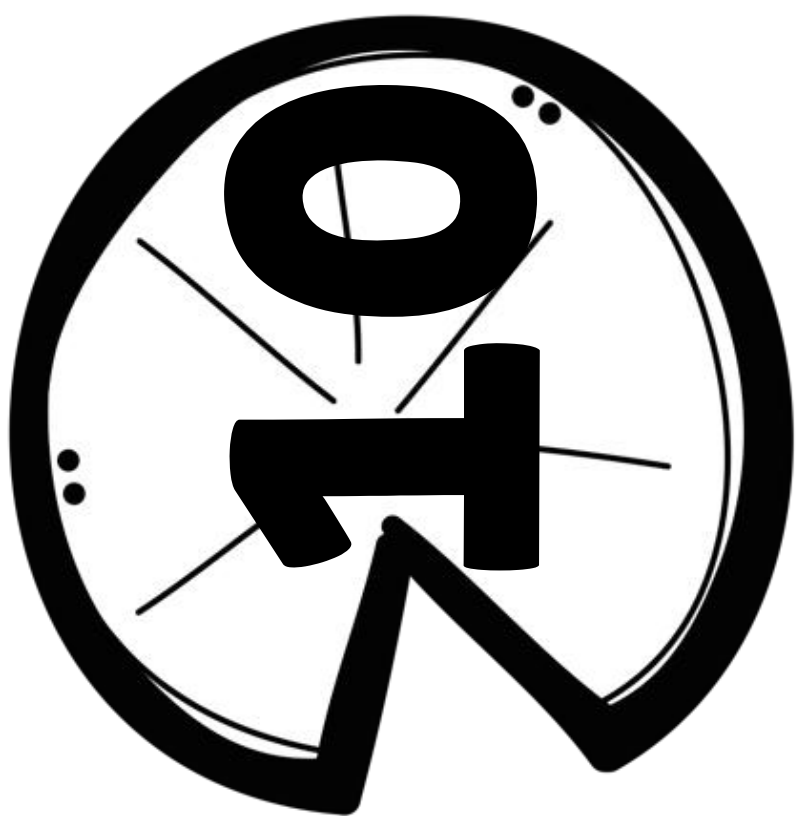
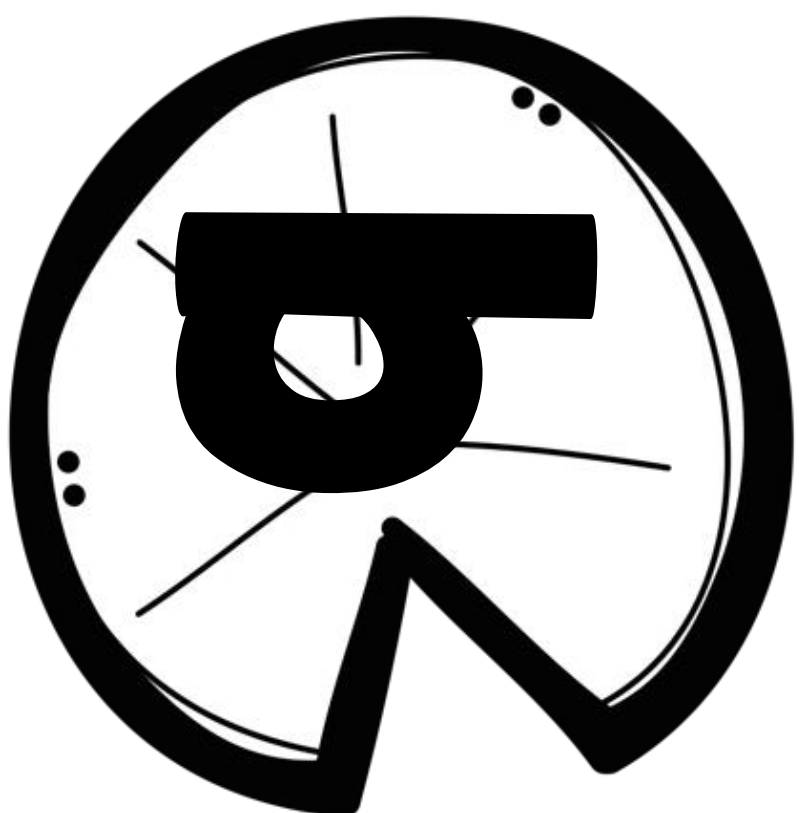
$$4 \times 5 = 20$$


FLIP 2

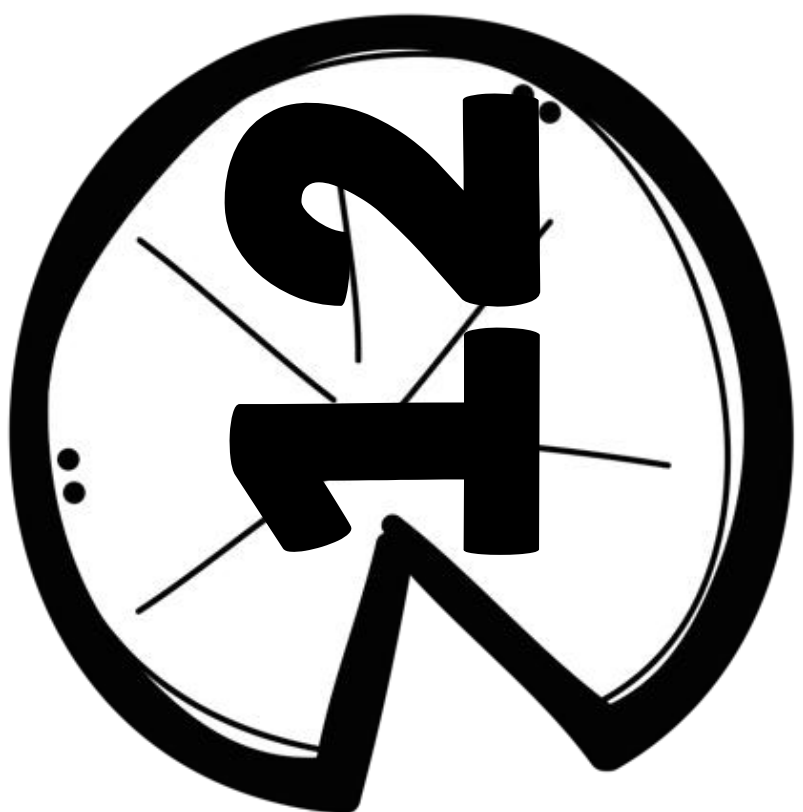
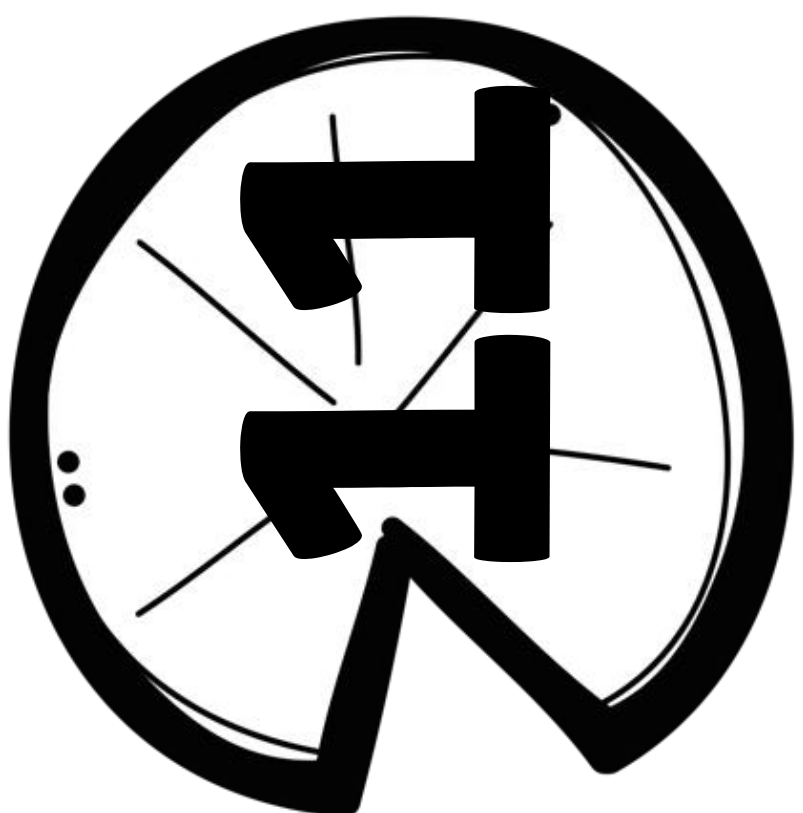




**FLY
RAP**



LEAPS





LILY PAD LEAPS

NAME: _____



©Brooke Brown



LILY PAD LEAPS

NAME: _____



©Brooke Brown



LILY PAD LEAPS

NAME: _____

X

=

X

=

X

=

X

=

X

=

X

=

X

=

X

=

X

=

X

=

©Brooke Brown



LILY PAD LEAPS

NAME: _____

X

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X

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X

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X

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X

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X

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X

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X

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X

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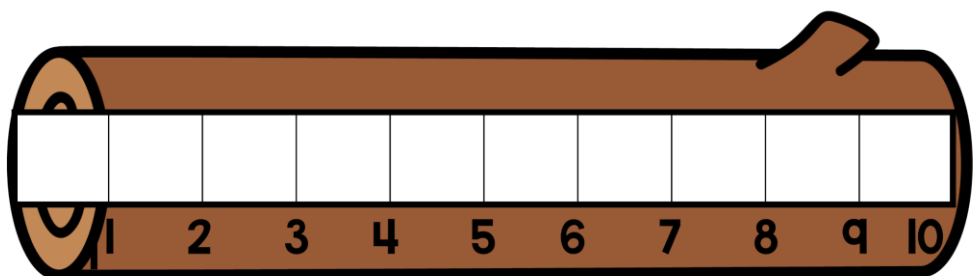
X

=

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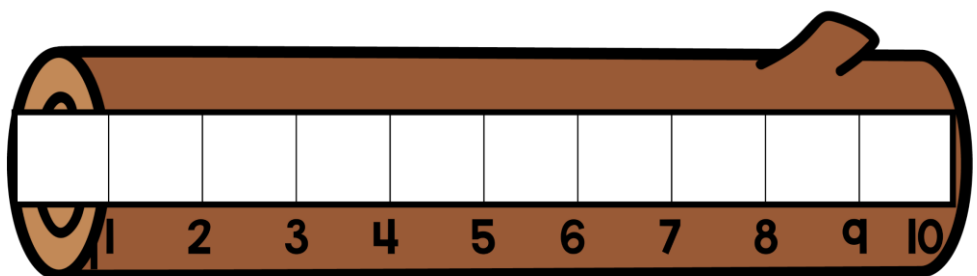
LONGEST LEAPS

- 1) Place your frog on the starting lily pad.
- 2) Flip your frog and measure how far it goes.
- 3) Write down your measurement.
- 4) Repeat 4 more times.
- 5) Answer the questions about your measurements.



LONGEST LEAPS

- 1) Place your frog on the starting lily pad.
- 2) Flip your frog and measure how far it goes.
- 3) Write down your measurement.
- 4) Repeat 9 more times.
- 5) Write down your 10 leap distances in order.
- 6) Answer the questions about your data.





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5

5

5

21 22 23 24 25 26 27 28 29 30

31 32 33 34 35 36 37 38 39 40

--	--	--	--	--	--	--	--	--	--

41 42 43 44 45 46 47 48 49 50

--	--	--	--	--	--	--	--	--	--

51 52 53 54 55 56 57 58 59 60

--	--	--	--	--	--	--	--	--	--

61 62 63 64 65 66 67 68 69 70

--	--	--	--	--	--	--	--	--	--

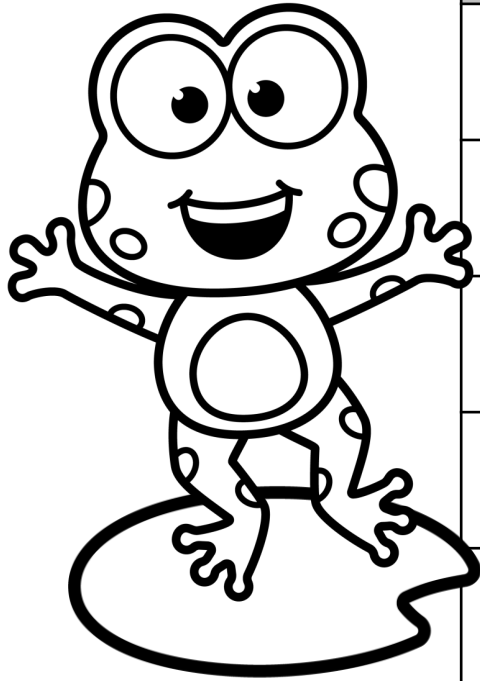
71 72 73 74 75 76 77 78 79 80

81	82	83	84	85	86	87	88	89	90

q1	q2	q3	q4	q5	q6	q7	q8	q9	100

LONGEST LEAPS

NAME: _____



LEAPS	DISTANCE
1	
2	
3	
4	
5	

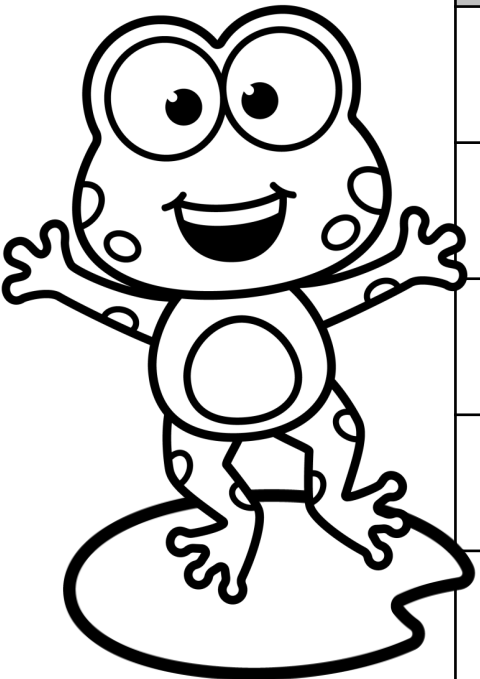
How far was your
LONGEST leap?

How far was your
SHORTEST leap?

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LONGEST LEAPS

NAME: _____



LEAPS	DISTANCE
1	
2	
3	
4	
5	

How far was your
LONGEST leap?

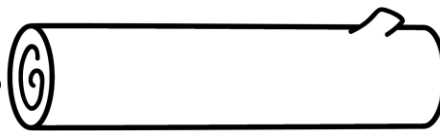
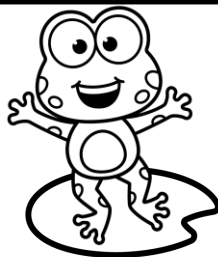
How far was your
SHORTEST leap?

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LONGEST LEAPS

NAME: _____

LEAPS	DISTANCE
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



LEAPS IN ORDER

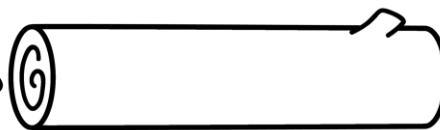
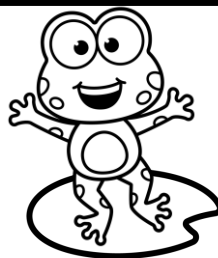
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
MAXIMUM	MINIMUM	RANGE							
MEDIAN								MODE	

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LONGEST LEAPS

NAME: _____

LEAPS	DISTANCE
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



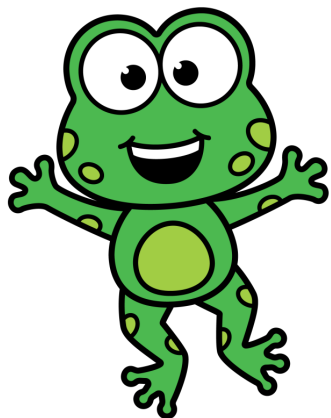
LEAPS IN ORDER

_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
MAXIMUM	MINIMUM	RANGE							
MEDIAN								MODE	

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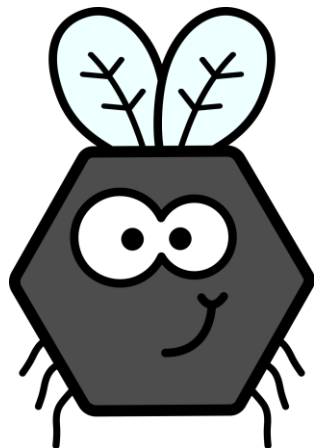
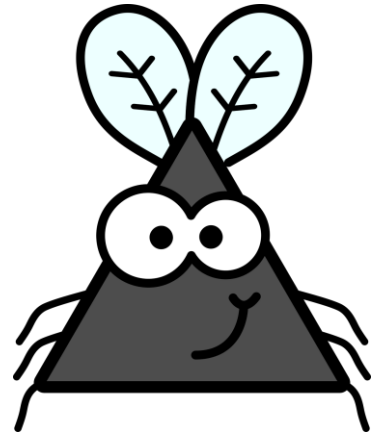
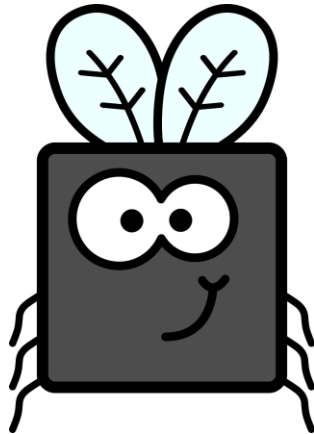
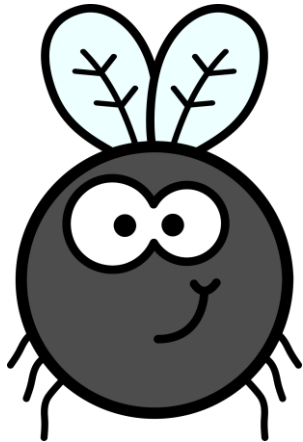
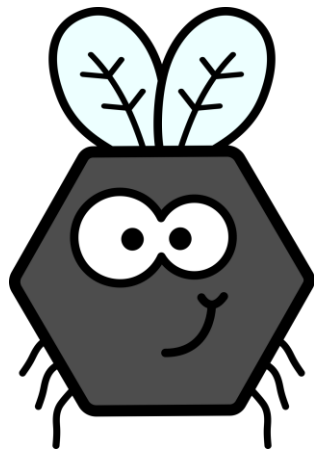
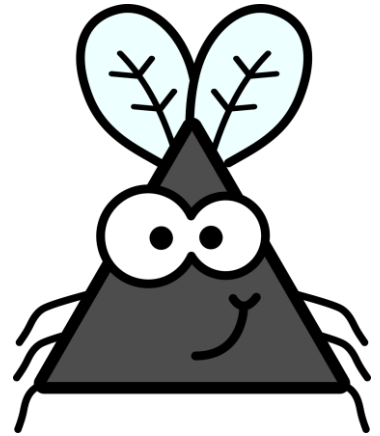
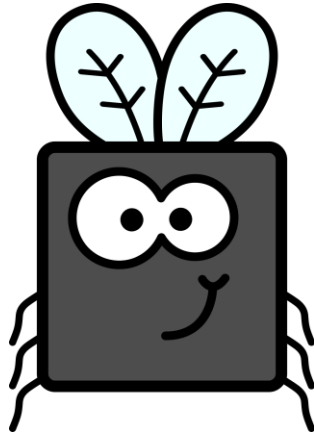
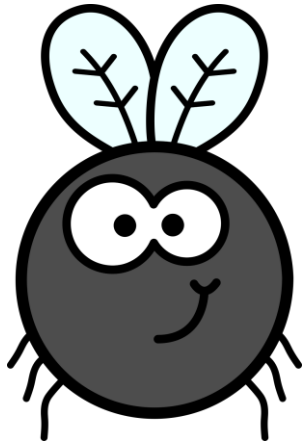
FLY CATCHER

- 1) Flip your frog into a fly cup.
- 2) Make a tally mark to show which fly cup it landed in.
- 3) Repeat 9 more times.
- 4) Make a graph to match your tally mark totals.



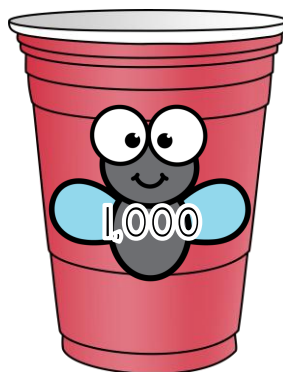
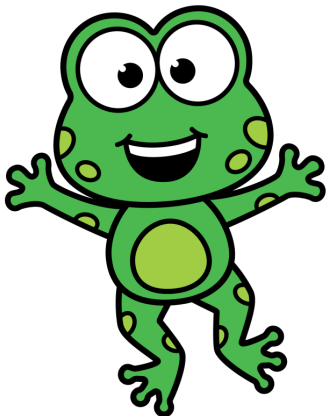
FLY CATCHER

Tape flies to 6 large cups.



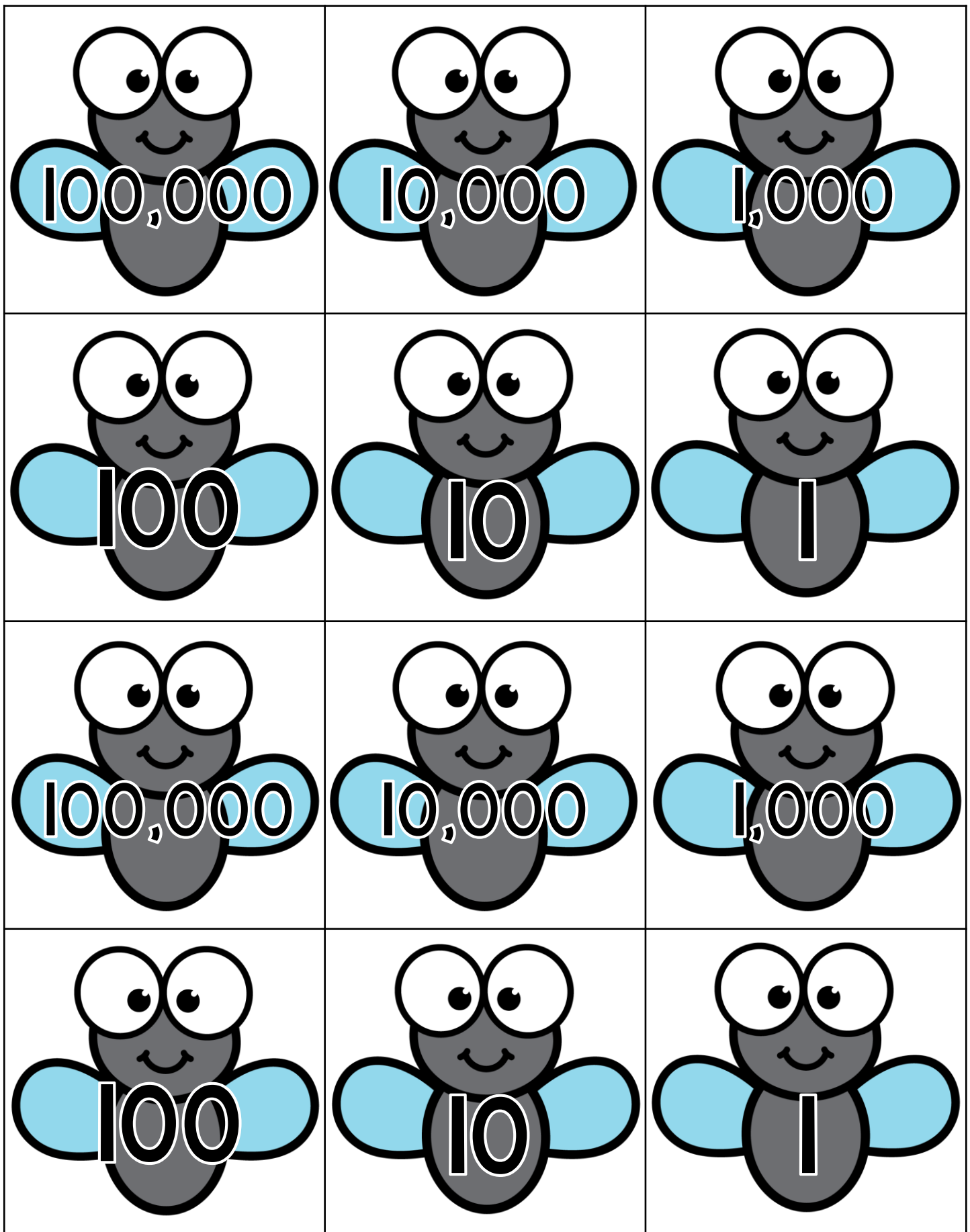
FLY CATCHER

- 1) Flip your frog into a fly cup.
- 2) Make a tally mark to show which fly cup it landed in.
- 3) Repeat 9 more times.
- 4) Add up the value of all cups and write the total.
- 5) Write the total number in expanded form.



FLY CATCHER

Tape flies to 6 large cups.



FLY CATCHER

NAME: _____

MAKE A TALLY CHART.

MAKE A GRAPH.

©Brooke Brown

FLY CATCHER

NAME: _____

MAKE A TALLY CHART.

MAKE A GRAPH.

©Brooke Brown

FLY CATCHER

NAME: _____

MAKE A TALLY CHART.

100,000	10,000	1,000	100	10	1

TOTAL VALUE:

_____ , _____

EXPANDED FORM:

_____ + _____ + _____ + _____ + _____

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FLY CATCHER

NAME: _____

MAKE A TALLY CHART.

100,000	10,000	1,000	100	10	1

TOTAL VALUE:

_____ , _____

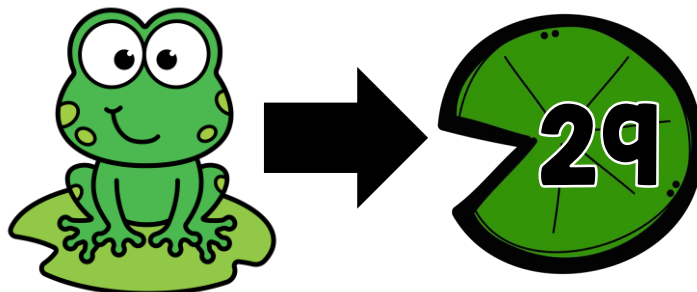
EXPANDED FORM:

_____ + _____ + _____ + _____ + _____

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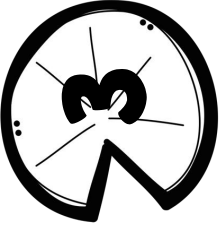
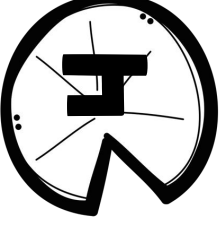
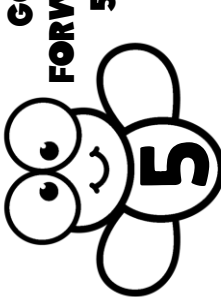
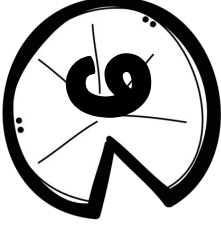
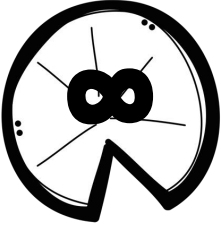
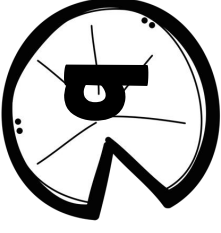
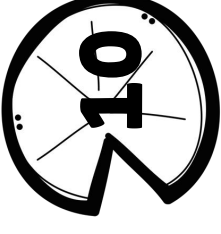
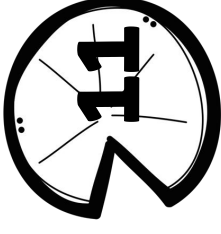
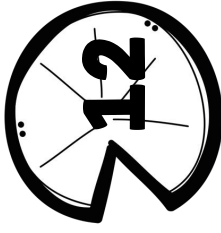
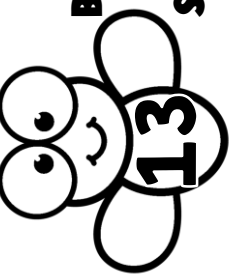
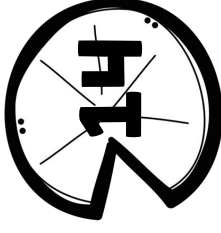
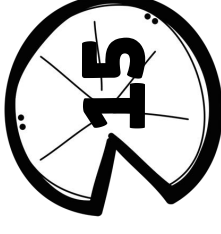
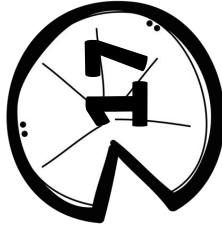
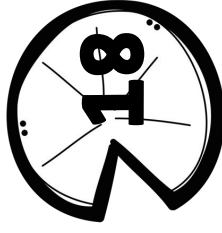
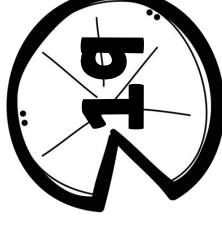
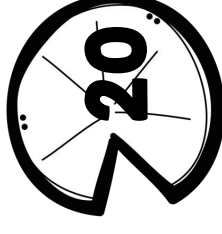
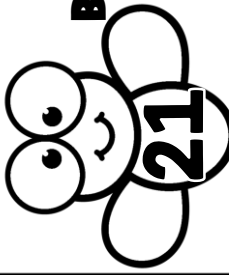
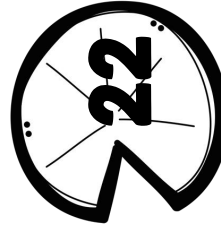
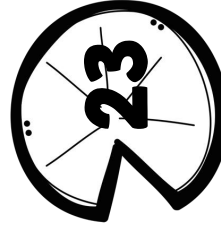
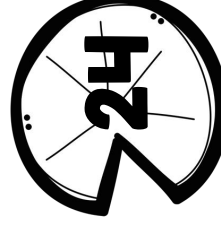
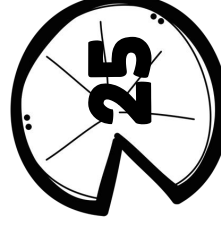
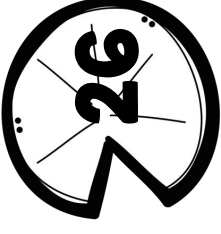
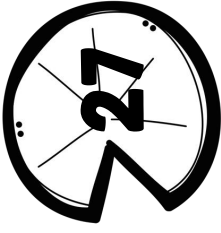
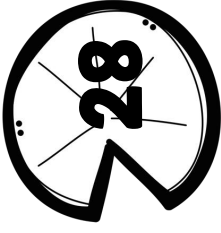
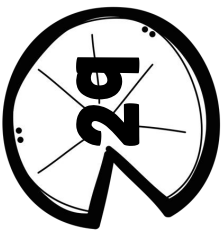
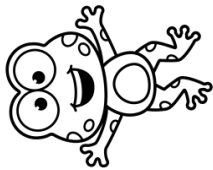
LEAP TO 29

- 1) Roll the die.
- 2) If the die lands on an EVEN number (2, 4, 6), move your frog FORWARD.
If the die lands on an ODD number (1, 3, 5), move your frog BACKWARD.
- 3) Take turns with a partner and repeat.
- 4) The first player to reach 29 is the winner.



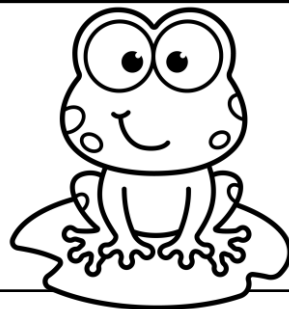
LEAP TO 29

ROLL EVEN: MOVE FORWARD
ROLL ODD: MOVE BACKWARD

 START				 GO FORWARD 5
				
		 GO BACK TO START		
				
 GO BACK 5				
			 YOU MADE IT! 	

LEAP TO 29

NAME: _____

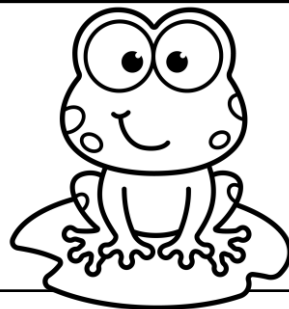


Write 10 different names for the number 29.
You can draw pictures, make tally marks, write words,
or write number models such as $20 + 9 = 29$.

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LEAP TO 29

NAME: _____

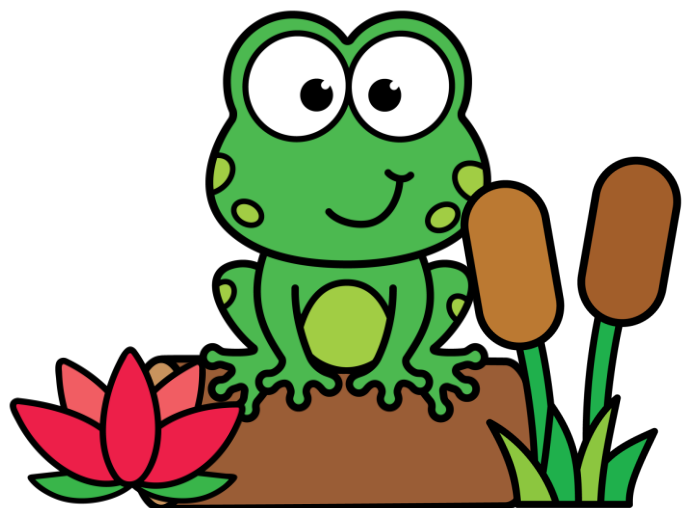
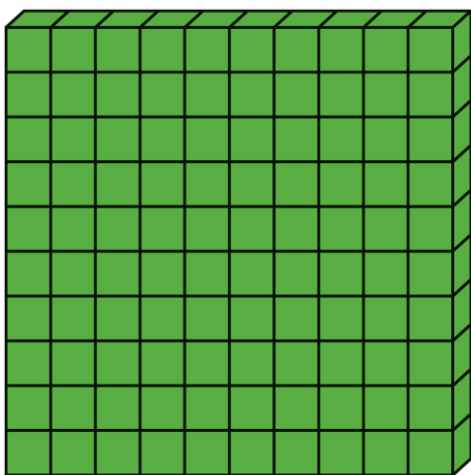


Write 10 different names for the number 29.
You can draw pictures, make tally marks, write words,
or write number models such as $20 + 9 = 29$.

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HOPPY HOME

Count out base ten blocks with a total value of 366.
Use the blocks to build a shelter for your frog.

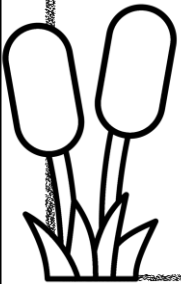


HOPPY HOME

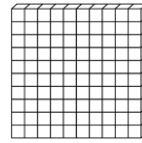
NAME: _____

Count out base ten blocks with a total value of 366.
Use the blocks to build a shelter for your frog.

Draw a picture of your frog house.



How many HUNDREDS?



= _____

How many TENS?



= _____

How many ONES?



= _____

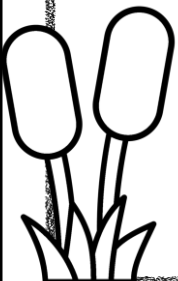
©Brooke Brown

HOPPY HOME

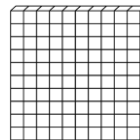
NAME: _____

Count out base ten blocks with a total value of 366.
Use the blocks to build a shelter for your frog.

Draw a picture of your frog house.



How many HUNDREDS?



= _____

How many TENS?



= _____

How many ONES?



= _____

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