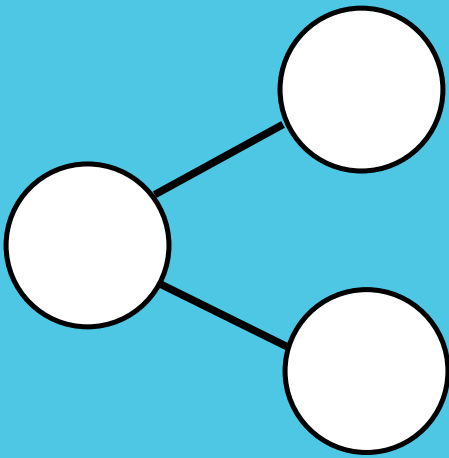
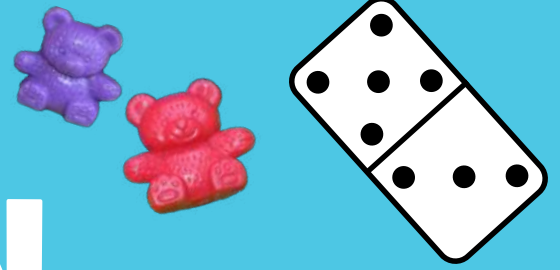


GUIDED MATH  
TEACHER'S

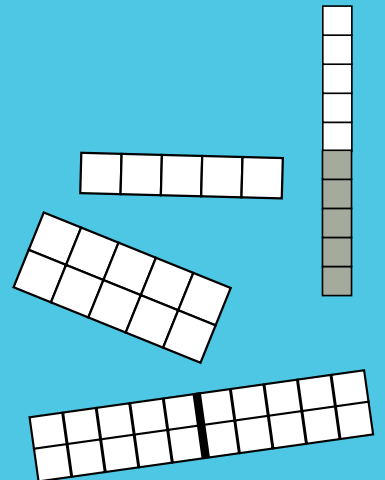
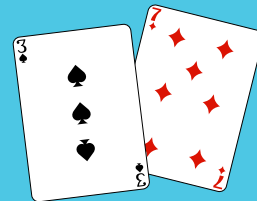
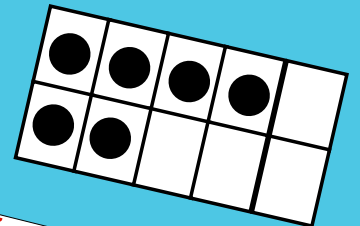
# ADDITION Tool Kit

3-5

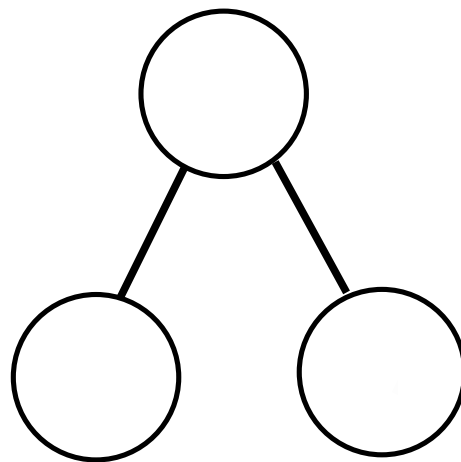


**I Can Model Addition**  
 $5 + 2 = 7$

<b>TEN FRAMES</b> 	<b>MATH SKETCH</b> 
<b>NUMBER LINE</b> 	<b>NUMBER SENTENCE</b> $5 + 2 = 7$
<b>COUNTERS</b> 	<b>NUMBER BONDS</b> 



**DR. NICKI NEWTON**  
Math Fact Fluency Playground



**I Can Model Addition**

$5 + 2 = 7$

**TEN FRAMES**  
A 10-column grid with 5 red counters in the first row and 2 red counters in the second row.

**MATH SKETCH**  
A sketch of 7 circles, with 5 in the top row and 2 in the bottom row.

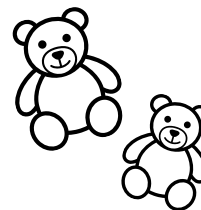
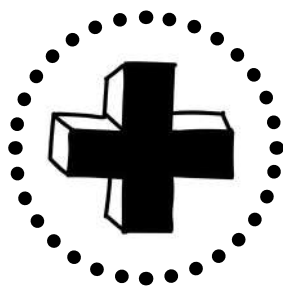
**NUMBER LINE**  
A number line from 0 to 7 with an arrow starting at 5 and jumping to 7.

**NUMBER SENTENCE**  
 $5 + 2 = 7$

**COUNTERS**  
A row of 5 green counters and 2 blue counters.

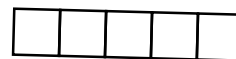
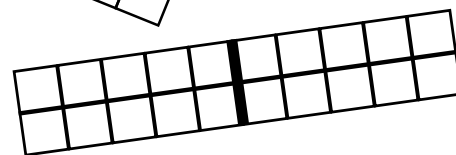
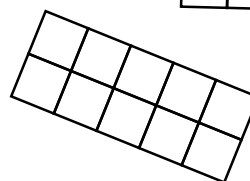
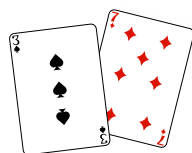
**NUMBER BONDS**  
A number bond diagram with 7 in a central circle, 5 in a bottom-left circle, and 2 in a bottom-right circle.

# ADDITION TOOL KIT



**ADDITION CHART**

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	3	4	5	6	7	8	9	10	11	12	13
3	3	4	5	6	7	8	9	10	11	12	13	14
4	4	5	6	7	8	9	10	11	12	13	14	15
5	5	6	7	8	9	10	11	12	13	14	15	16
6	6	7	8	9	10	11	12	13	14	15	16	17
7	7	8	9	10	11	12	13	14	15	16	17	18
8	8	9	10	11	12	13	14	15	16	17	18	19
9	9	10	11	12	13	14	15	16	17	18	19	20
10	10	11	12	13	14	15	16	17	18	19	20	21
11	11	12	13	14	15	16	17	18	19	20	21	22
12	12	13	14	15	16	17	18	19	20	21	22	23



# **GUIDED MATH TEACHER'S ADDITION TOOLKIT**

## **K-2**

Dr. Nicki Newton



**Math Fact Fluency Playground**

Math Fact Fluency Playground

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Thank you to the entire Production Team

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## Other Books in this Series

Guided Math Teacher's Decimal Toolkit

Guided Math Teacher's Division Toolkit

Guided Math Teacher's Hundred Grid Toolkit

Guided Math Teacher's Multiplication Toolkit

Guided Math Teacher's Number Paths,  
Number Ladders, and Number Lines Toolkit

Guided Math Teacher's Subtraction Toolkit



Math Fact Fluency Playground

**Dedicated to Mom and Pops, Always**

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# Acknowledgements

I would like to thank many people for their support, expertise, guidance, and encouragement during this project. First of all I would like to thank God, without Him this would not be possible. Second, I would like to thank my mom, pa, big mom, and granddaddy. Third, I would like to thank my family for all their love and support. Next, I would like to thank all of my friends that support me all the time. This book series would not have been possible without the continual support of all of them. Finally, I would like to thank everyone that has helped me write this book. There have been many people from the Gigglenook Team that have worked on this project. Thank you to all of you for your continual support.

# Author's Note

I am so excited that you are here to share this with me. This is the everything you ever wanted, needed, thought you might need, never even knew that you needed mega book of guided math addition templates. This book is organized by the priority standards topics that you will teach in k-2 for adding and subtracting within 20. It is written as a k-2 book in the spirit of acceleration and differentiation. The templates are differentiated along the learning progression so that you can meet your students where they are in small groups.

## **How to Use this Book!**

This book has templates that the teacher can use for guided math groups, whole class activities, workstations and homework! The teacher can pull the different templates and make a binder for each person in the group. In the binder, put the templates in sheet protectors or laminate them so they can be used over and over again! Each student will have their own binder and they can use it as needed!

## **Big Ideas/Priority Standards**

This book is aligned to the Big Ideas/Priority standards in k-2. It can be used as a supplement to any program. We have created a variety of templates to address the variations in state standards. These templates will provide you a way to reach back to catch up as well as extend learning for those students who are ready to go to the next steps.

## **Learning Trajectories**

Speaking of steps, we have based all of our templates with the learning trajectories in mind. A learning trajectory is a developmental path that shows the landscape of learning a particular concept. Clements and Sarama have written extensively about learning trajectories ([www.learningtrajectories.org](http://www.learningtrajectories.org)). In the front of each book, you will find the learning trajectories for the topic.

## **Guided Math**

Guided Math is a way of teaching students in small groups. Small groups allow us to get up close and personal with our students and their learning. In a small guided math group, there should be no more than 3-5 students. Groups meet for 10-15 minutes. The focus is on DOING MATH. These templates help you to do just that! They provide a space for students to explore, think, talk and work.

In the small guided math group, students will make sense of math through working with their peers, their teacher and the different math materials (thinking mats, manipulatives, vocabulary/language talk frames). While students are working together, the teacher guides them, asks important questions and provides the necessary feedback on their attempts at making sense of the math so that they can make the necessary connections and corrections and build a deeper understanding of the math concepts.

The learning spirals and children build on prior knowledge as they engage in new experiences. (Dewey 1933/1998; Piaget, 1972; Vygotsky, 1978; Bruner. 1973, 1990). In the guided math group, the student's should spend most of the time doing math rather than listening to the teacher talk about math. Experiences are scaffolded in a way to maximize the learning opportunities. Students are working in their Zone of Proximal Development, meaning that they are working at a level that is just right, not too easy and not too difficult (Vygotsky, 1978) Through interaction with more capable peers, adults who are facilitating their learning and artifacts (in this case appropriately selected materials such as manipulatives, books, computer programs etc.), students make meaning of the math (Vygotsky).

## **Differentiated Instruction**

As Coco Aguirre (my mentor teacher) had hanging above the threshold of her door, “If a student doesn’t learn the way you teach, then teach the way they learn.” This is a simple but powerful truth. Meet the children where they are and then take them to the next level. For me, differentiation is about always asking myself, “If they aren’t getting it, what can I do differently?” These templates provide you an option to scaffold the learning so that all students have access to the grade level content!

Tomlinson (1999) speaks of how differentiated instruction results in academically responsive classrooms. In this type of classroom teachers are aware of the academic levels of their students and create curriculum designed to respond to their needs. Tomlinson stated that at its most basic level, differentiating instruction means “shaking up” what goes on in the classroom so that students have multiple options for taking in information, making sense of ideas, and expressing what they learn. In other words, a differentiated classroom provides different avenues to acquiring content, to processing or making sense of ideas, and to developing products so that each student can learn effectively (2001).

While differentiation “advocates attending to students as individuals, it does not assume a separate assignment for each learner” (Tomlinson). “Differentiation needs to be student-centered, rooted in assessment, and dynamic” Serravello, 2010. We are constantly adjusting our teaching in response to what students are telling and showing us in their work and talk. Teachers who differentiate must take the time to get to know their students well. They have to understand them as people, learners and know what motivates them to reach their goals.

Robb notes that “Differentiation is a way of teaching, it’s not a program or a package of worksheets. It asks teachers to know their students well so they can provide each one with experiences and tasks that will improve learning” (2008, p.13).

## **Math Talk**

One of the most important things that happen in the math class is the discussion. We have to teach students to be active participants and engaged listeners. We want them to respect each other deeply and seek to truly understand each other without judgment. They have to learn to develop and defend their thinking, justify their answers and respectfully disagree with each other. The National Council of Teachers of Mathematics (NCTM) defines math talk as “the ways of representing, thinking, talking, and agreeing and disagreeing that teachers and students use to engage in [mathematical] tasks” (NCTM, 1991).

## Questioning

It is so important to ask good questions. The questions should reach beyond the answer. As Phil Daro notes, we have to go “beyond answer-getting (<https://vimeo.com/79916037>).” The questions in the guided math group should be designed to get students to understand more fundamentally the mathematics of the grade level. Good questions don’t just happen, they are planned for. The teacher should know ahead of time the types of questions that she will ask and why she will ask them. In the plan for the lesson, the teacher should brainstorm some possible questions that push student thinking. These are not yes or no questions, but rather ones that require students to explain themselves, show what they know and defend and justify their thinking.



More Addition Posters!

# PROGRESSION OF ADDITION

## JOURNEY TO FLUENCY



### FLUENCY IS

1 EFFICIENCY

2 ACCURACY

3 FLEXIBILITY

(NRC; Kilpatrick et al., 2001; NCTM 2000; NCTM, 2014).

ADDING 1  
 $2 + 1$

ADDING 0  
 $5 + 0$

COUNTING ON WITHIN 5  
 $3 + 1$

ADDING WITHIN 5  
 $1 + 4$

COUNTING ON WITHIN 10  
 $5 + 3$

ADDING WITHIN 10  
 $6 + 3$

YAY! I CAN ADD WITHIN 10!

ADD 10  
 $6 + 10$

MAKE TEN  
 $6 + 4$

LOWER DOUBLES  
 $3 + 3$

DOUBLES  
 $9 + 9$

DOUBLES + 1  
 $8 + 9$

BRIDGE 10  
 $7 + 9$

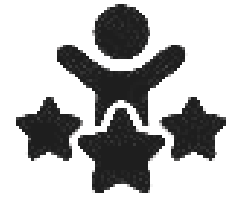
DOUBLES + 2  
 $5 + 7$

THINKING ABOUT NUMBER RELATIONSHIPS (WITHIN 20)  
 $12 + 7$

MAKE 20  
 $15 + 5$

SET A GOAL. MAKE A PLAN. ACHIEVE YOUR GOAL!

# PROGRESSION OF ADDITION

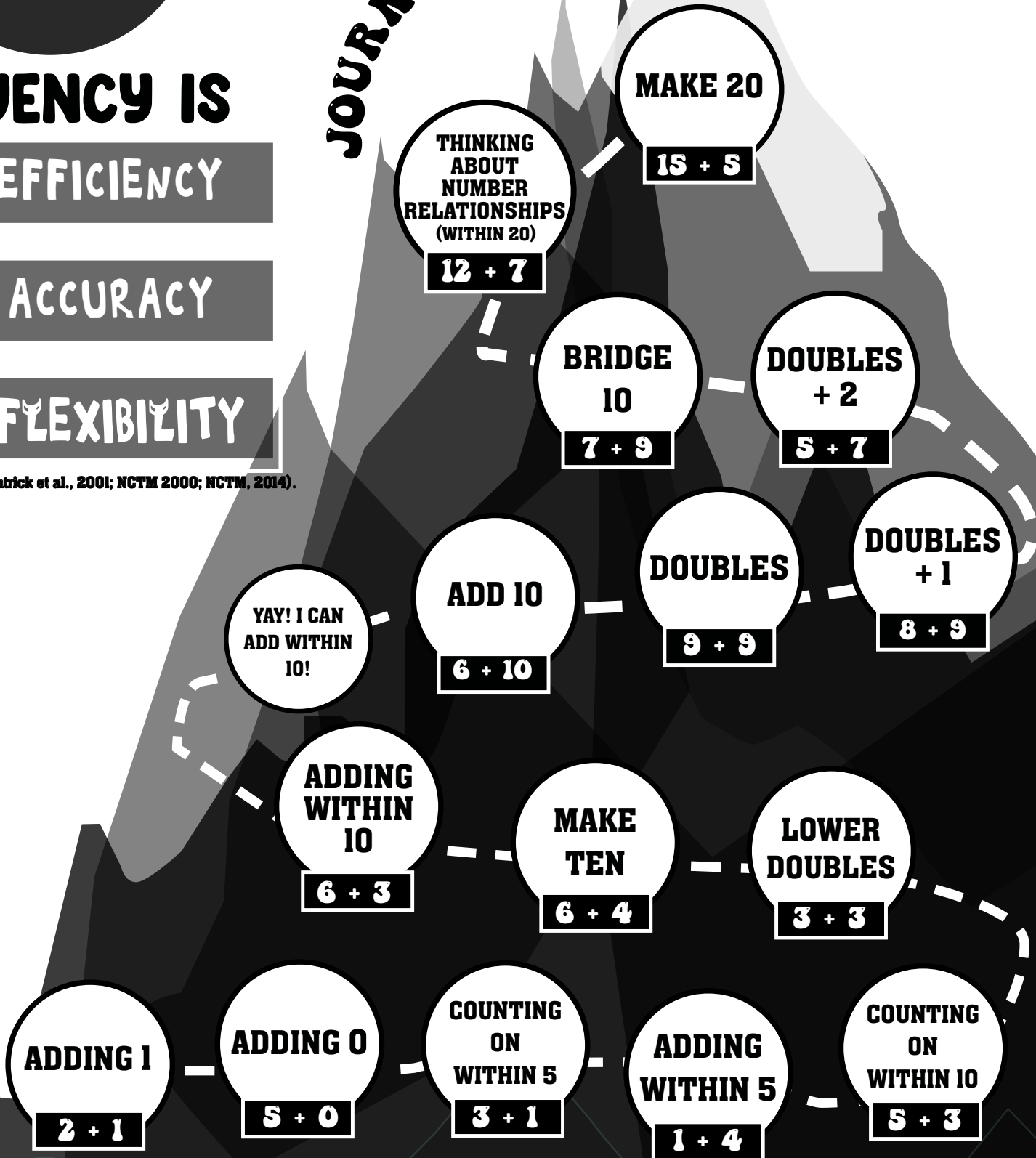


## JOURNEY TO FLUENCY

### FLUENCY IS

- 1 EFFICIENCY
- 2 ACCURACY
- 3 FLEXIBILITY

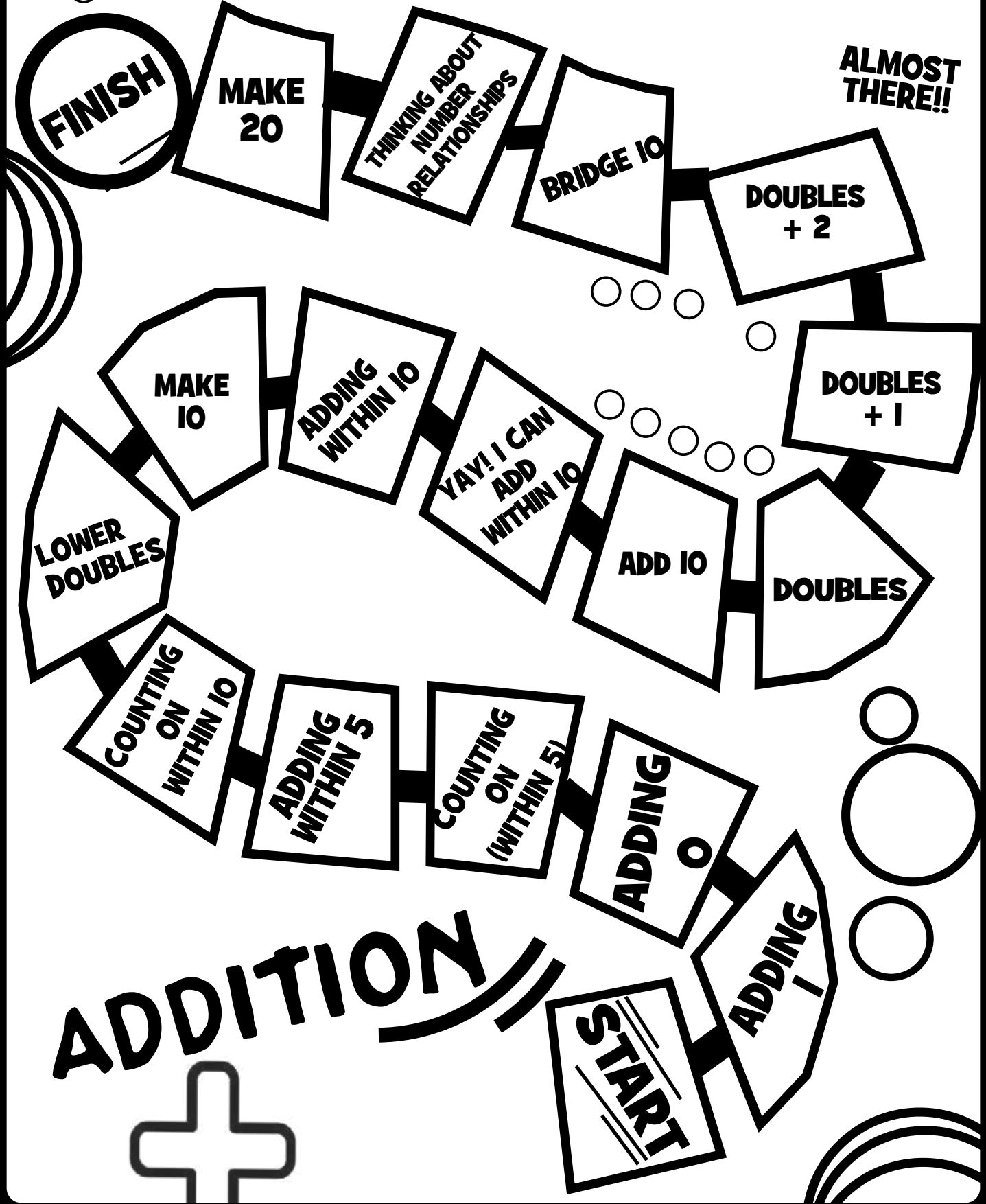
(NRC; Kilpatrick et al., 2001; NCTM 2000; NCTM, 2014).



**SET A GOAL. MAKE A PLAN. ACHIEVE YOUR GOAL!**



# I CAN REACH MY GOALS



# ADDITION



# I Can Use Addition Strategies

When you add 0 to a number the answer is the number

$$7+0 = 7$$



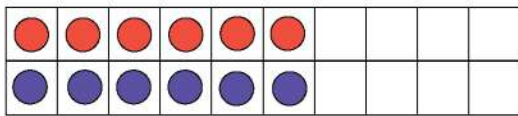
When you add 1, 2 or 3, you just count on

$$5+3 = 8$$



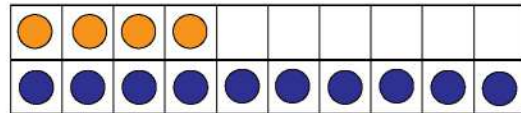
When you add a number to itself, it's double!

$$7+7 = 14$$



When you add 10 to a single digit you have the ones plus 10 more.

$$4+10 = 14$$



Know your ten friends!

$$10+0$$

$$9+1$$

$$8+2$$

$$7+3$$

$$6+4$$



$$5+5$$

$$4+6$$

$$3+7$$

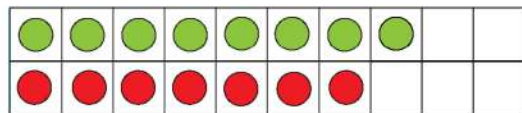
$$2+8$$

$$1+9$$

$$0+10$$

Use the doubles plus 1 strategy when you see neighbor numbers!

$$8+7 = 15$$



When you add 1 to a number, it's just the number after!

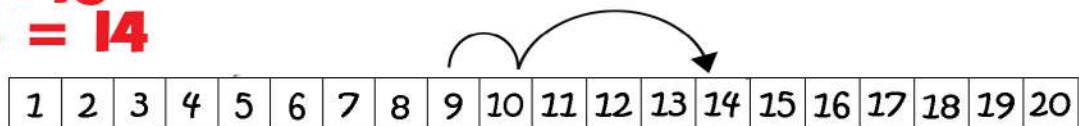
$$7+1 = 8$$



When you add 7, 8 or 9....Just add to 10 and then jump on

$$9 + 1 = 10$$

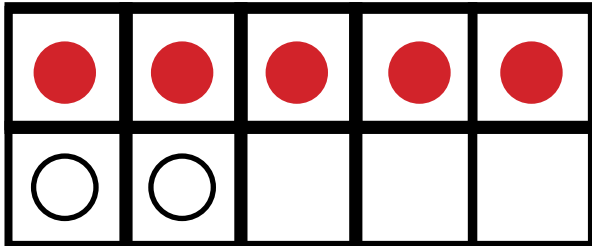
$$10 + 4 = 14$$



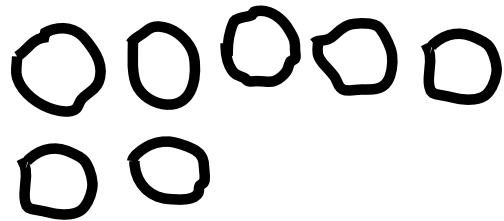
# I Can Model Addition

$$5 + 2 = 7$$

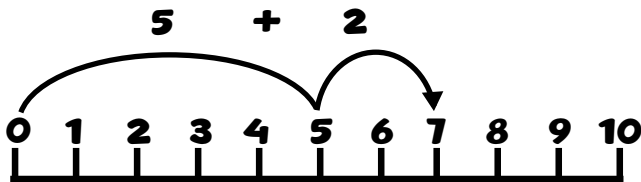
## TEN FRAMES



## MATH SKETCH



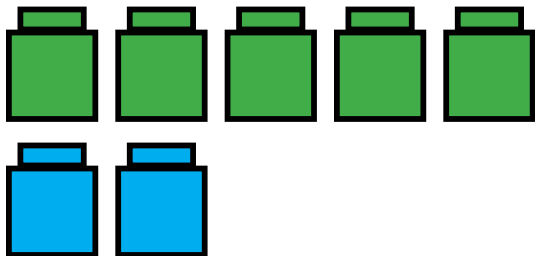
## NUMBER LINE



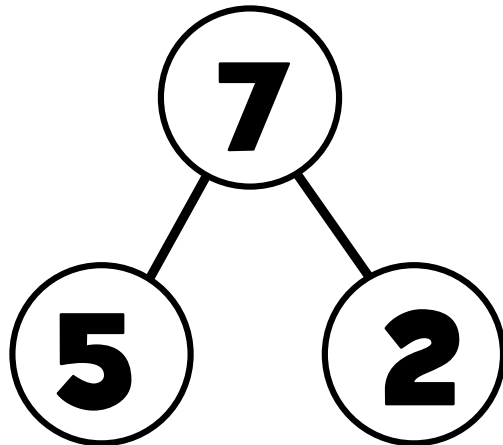
## NUMBER SENTENCE

$$5 + 2 = 7$$

## COUNTERS




## NUMBER BONDS



# VOCABULARY CARDS

ADDITION

$$2 + 1 = 3$$
An illustration showing two pink crabs and one yellow and blue striped fish, representing the numbers 2 and 1 in the equation above.

PLUS SIGN

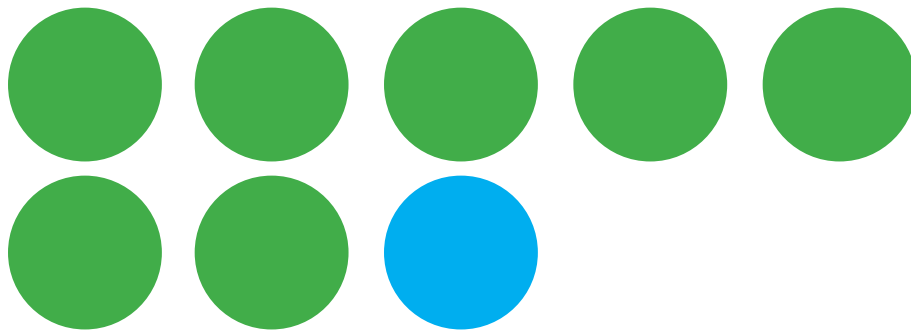
$$3 + 2 = 5$$
An illustration of a blue plus sign with a small blue arrow pointing upwards to its center.

SUM

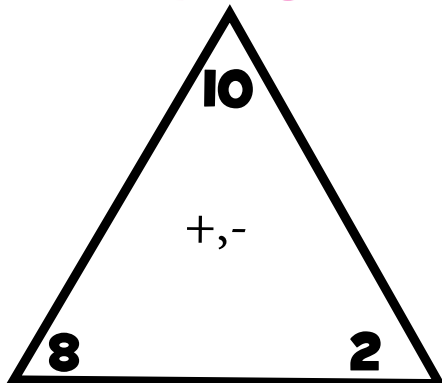
$$5 + 3 = 8$$
An illustration of a blue arrow pointing upwards to the number 8 in the equation above.

# VOCABULARY CARDS

**ADD**



**RELATED FACTS**



$$\underline{2} + \underline{8} = \underline{10}$$

$$\underline{8} + \underline{2} = \underline{10}$$

$$\underline{10} - \underline{8} = \underline{2}$$

$$\underline{10} - \underline{2} = \underline{8}$$

**EQUAL SIGN**



$$6 + 1 = 7$$

# VOCABULARY CARDS

## Addition Equation/ Number Sentence

8 + 1 = 9

Plus sign

Equal Sign

ADDEND      ADDEND      SUM

## MISSING NUMBER

7 +  = 9

## COMPARE



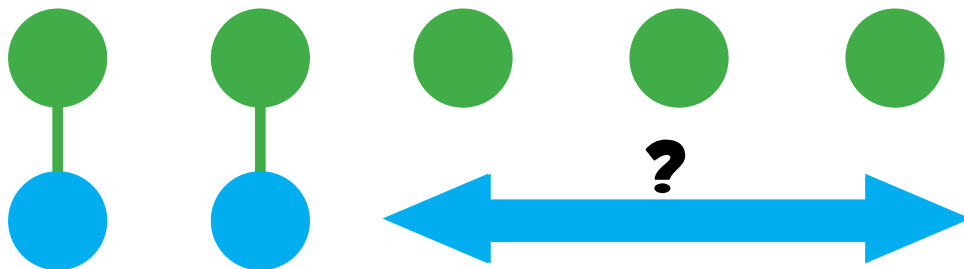
6 > 3



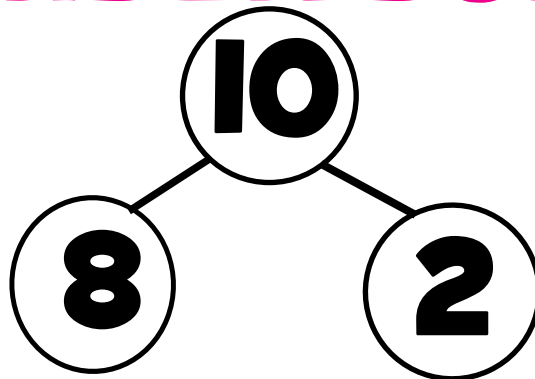
3 < 6

# VOCABULARY CARDS

**FEWER**



**NUMBER BOND**



**PART PART WHOLE MAT**

**10**

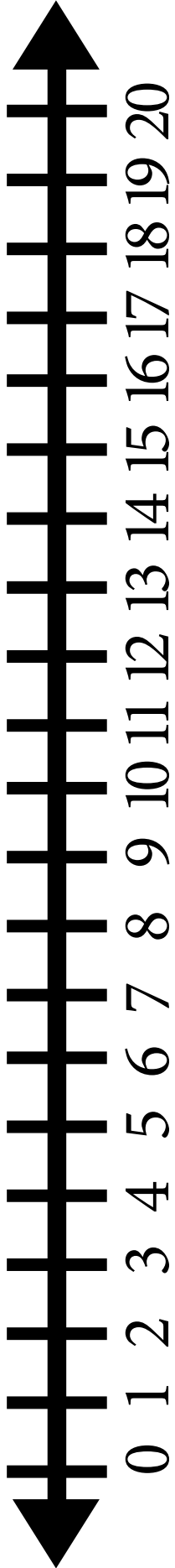
**8**

**2**

**MATHEMATICIAN  
THINK SPACE**



# WORK MAT



## DOUBLE TEN FRAME


## NUMBER BOND

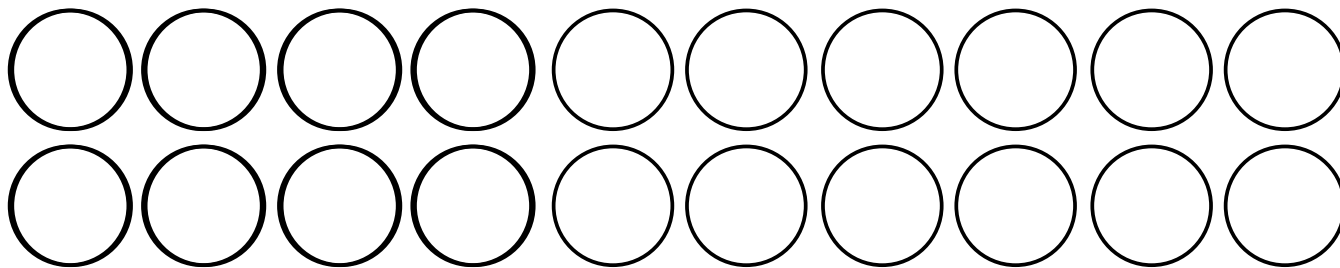
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--	--

# WORK MAT

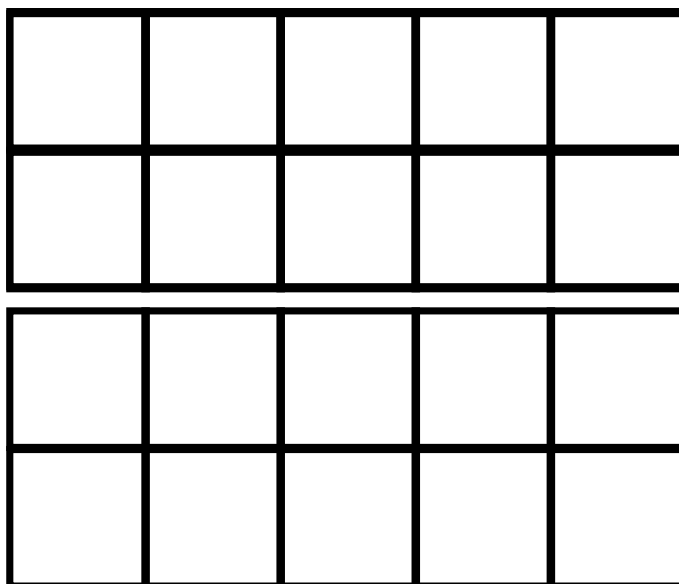
**COLOR IT**



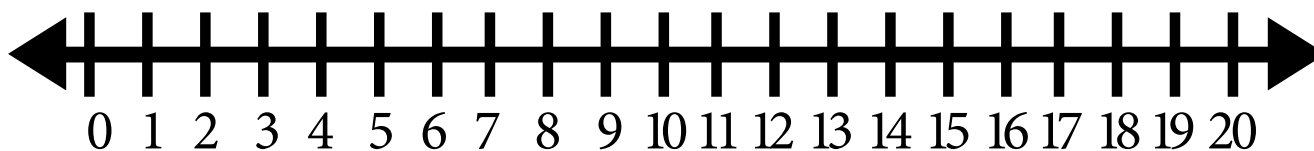
**DRAW IT**



**TWENTY FRAMES**



**NUMBER LINE**



# FIVE FRAMES

--	--	--	--	--

--	--	--	--	--

--	--	--	--	--

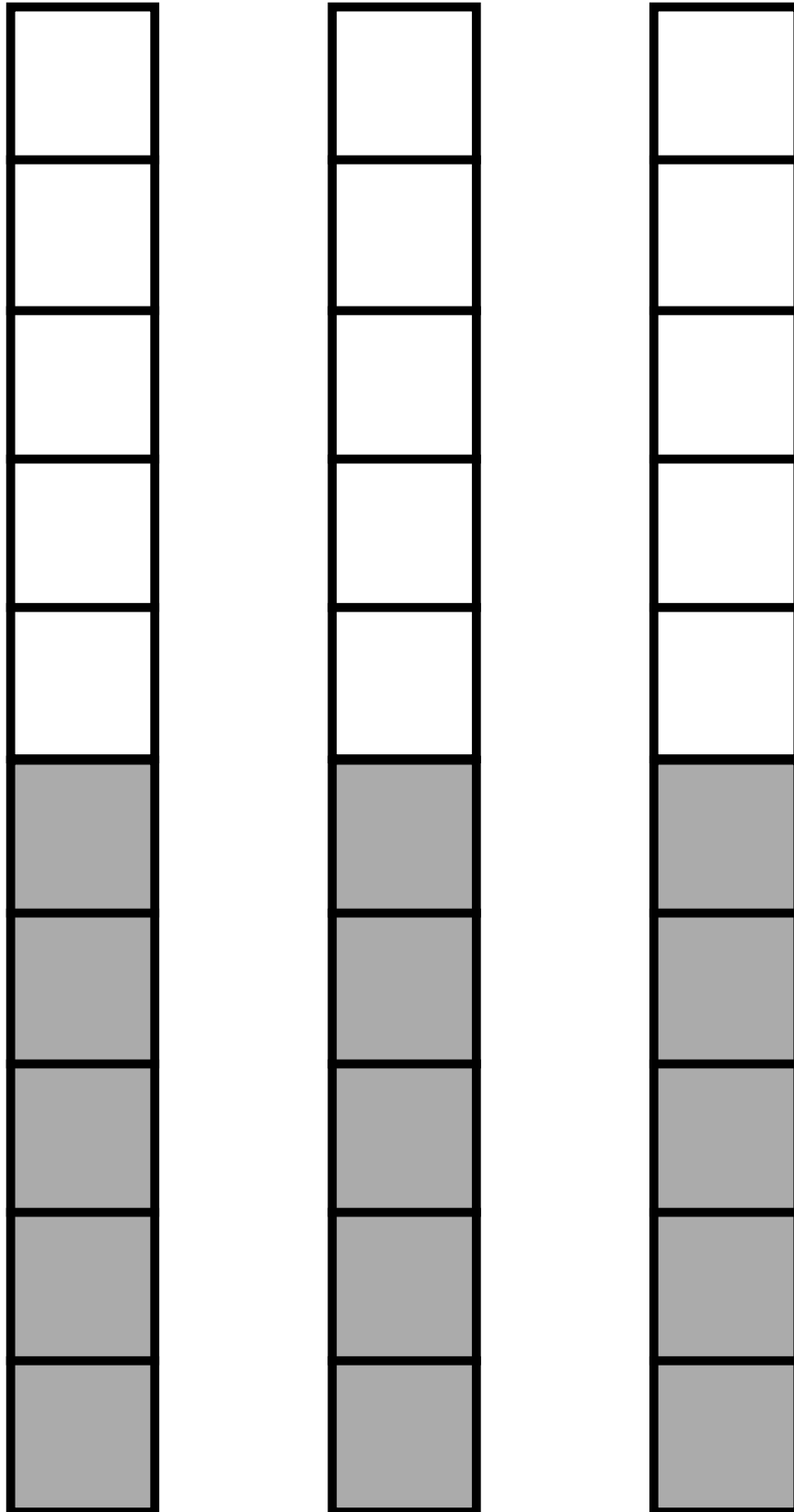
# FIVE FRAMES




# TEN FRAMES




# TEN FRAMES



# TEN FRAMES



# TWENTY FRAMES






# TWENTY FRAMES



# DOUBLE TEN FRAMES



# ADDITION TEMPLATE

$$\bigcirc + \bigcirc = \bigcirc$$

$$\bigcirc + \bigcirc = \bigcirc$$

$$\bigcirc + \bigcirc = \bigcirc$$

$$\bigcirc + \bigcirc = \bigcirc$$

$$\bigcirc + \bigcirc = \bigcirc$$

# DICE TEMPLATE

+

=

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+

=

---

# DICE TEMPLATE

$$\square + \square + \square = \square$$

$$\square + \square + \square = \square$$

$$\square + \square + \square = \square$$

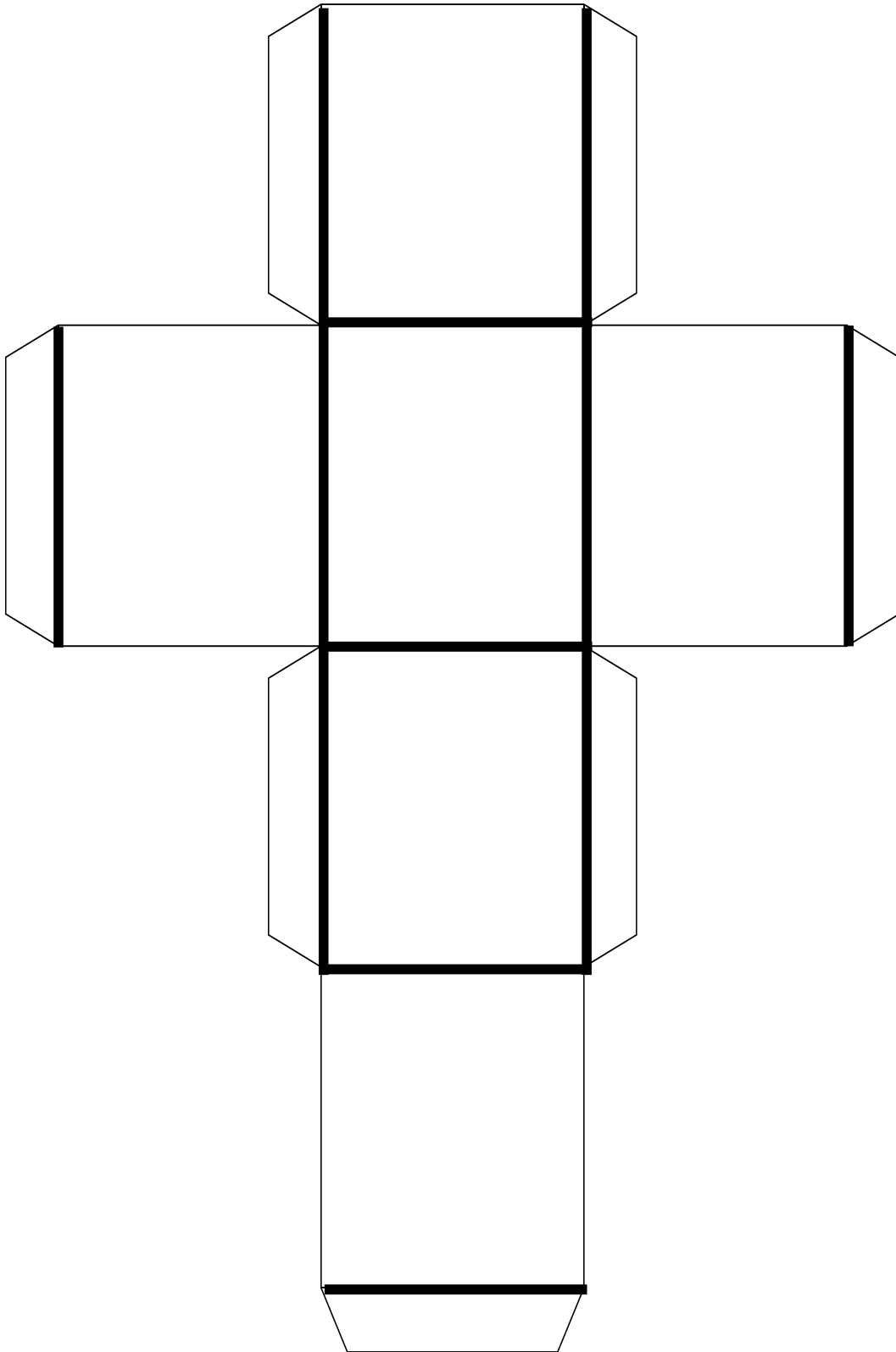
$$\square + \square + \square = \square$$

$$\square + \square + \square = \square$$

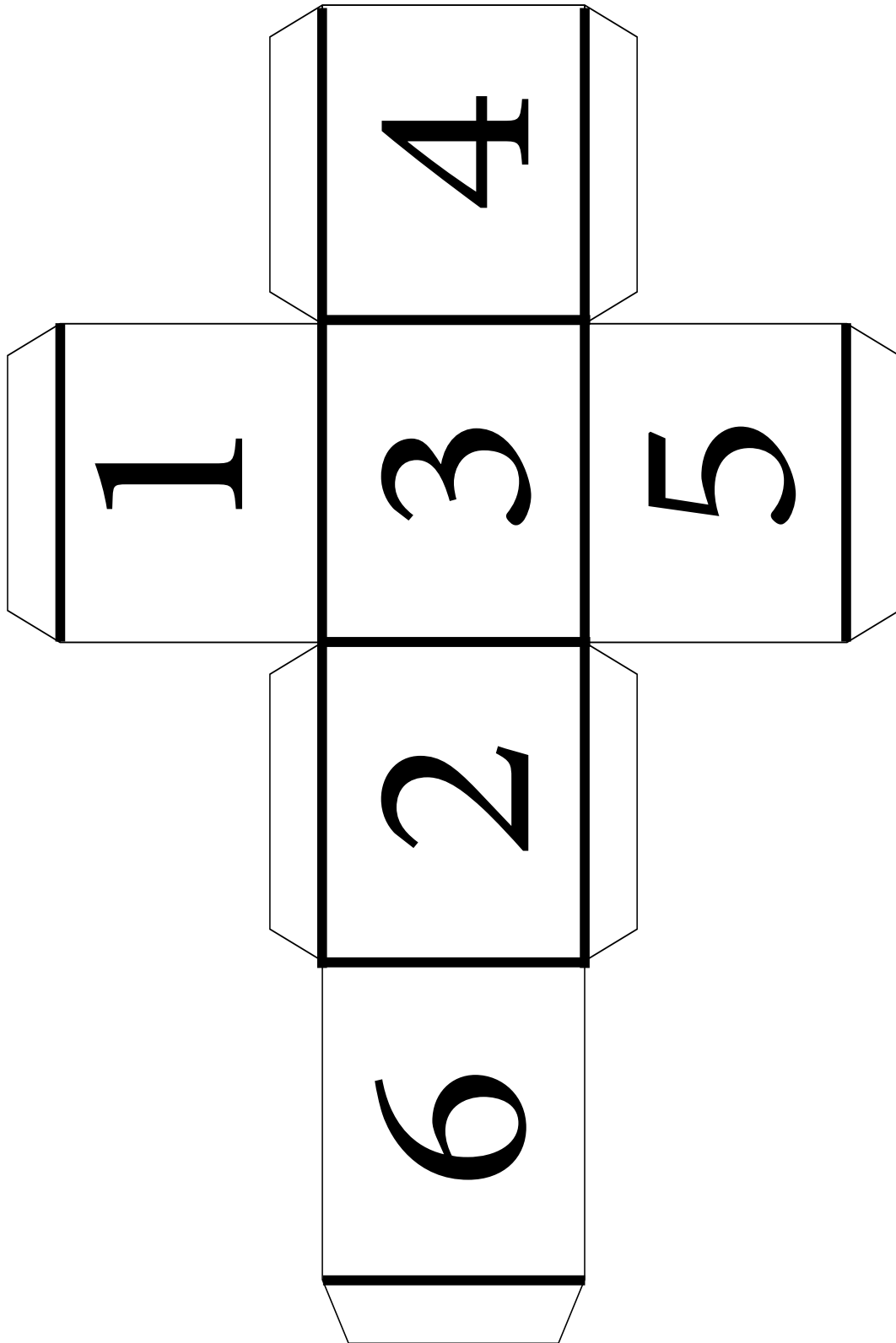
$$\square + \square + \square = \square$$

$$\square + \square + \square = \square$$

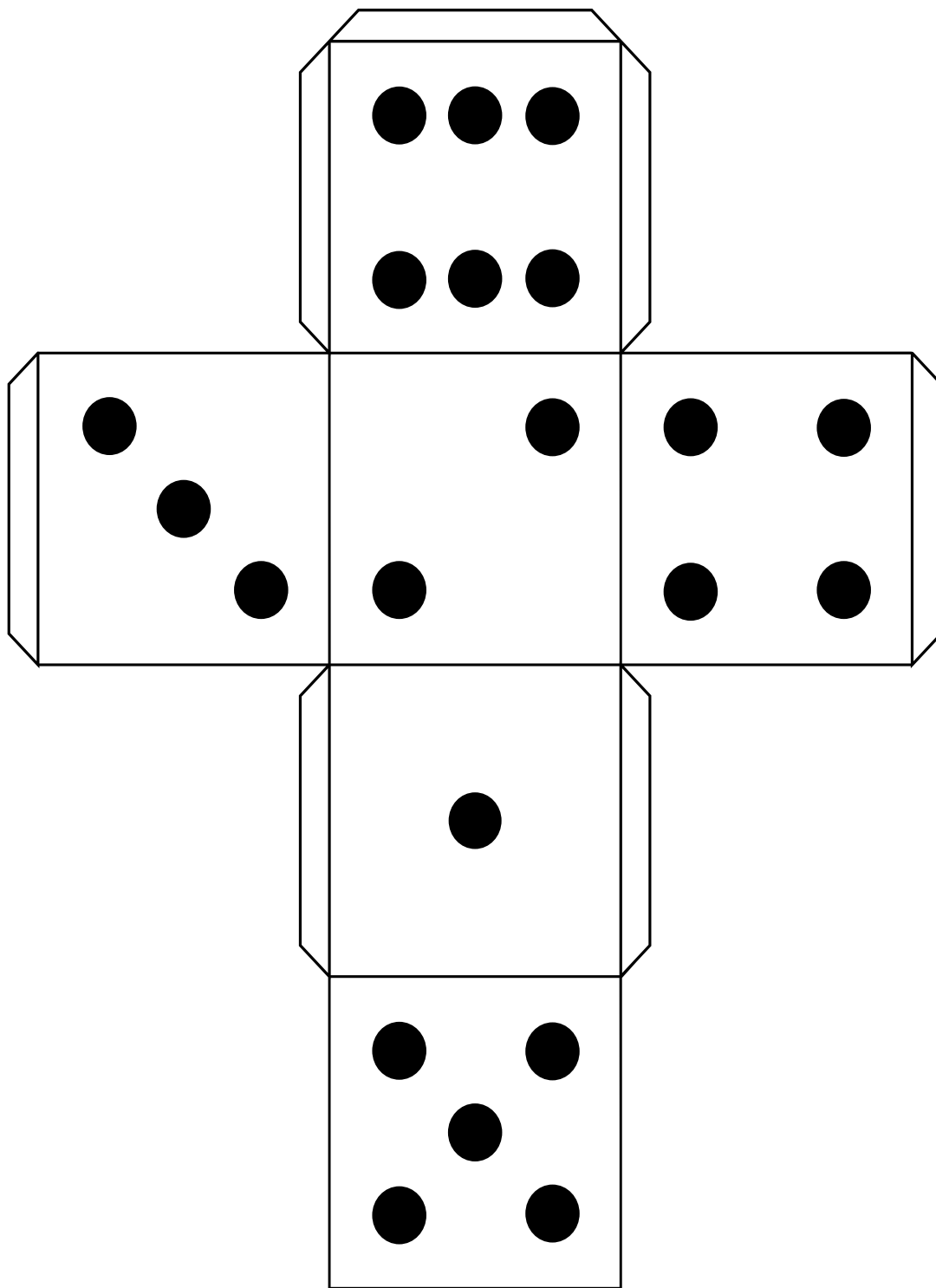
# DICE TEMPLATE



# DICE TEMPLATE



# DICE TEMPLATE

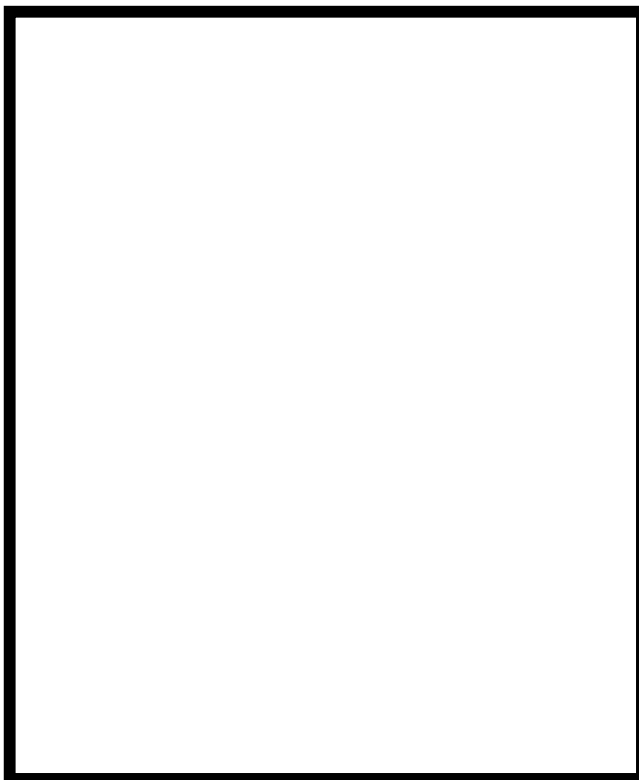
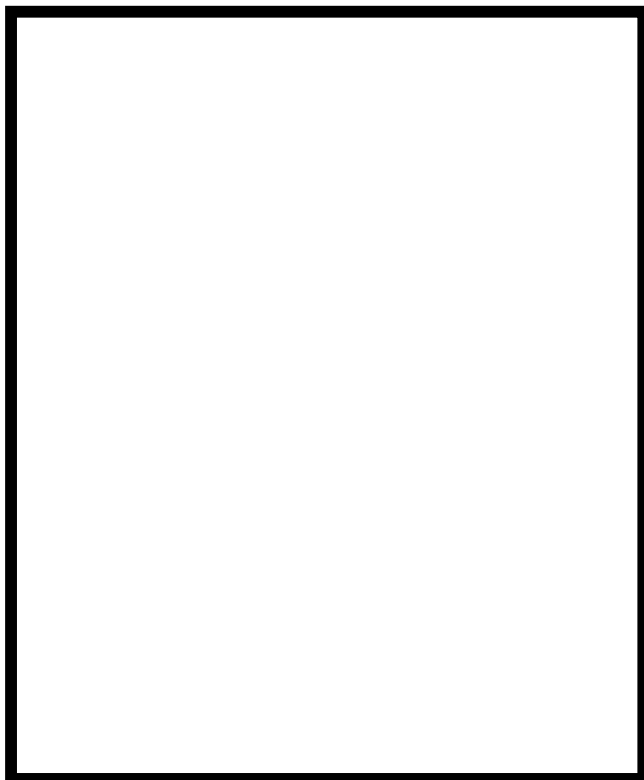




# FLASHCARD TEMPLATE



# FLASHCARD TEMPLATE



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

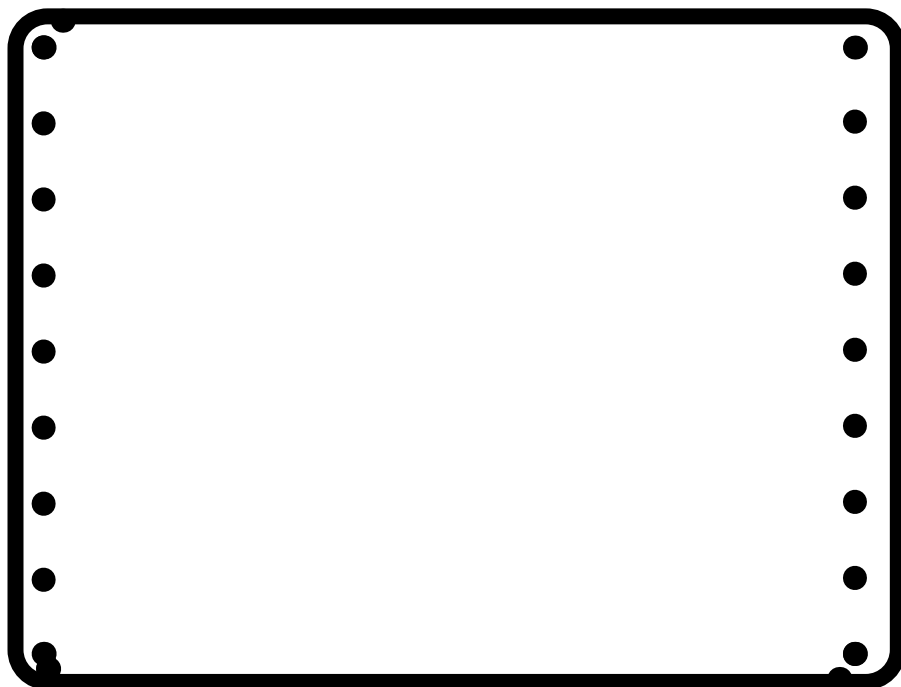
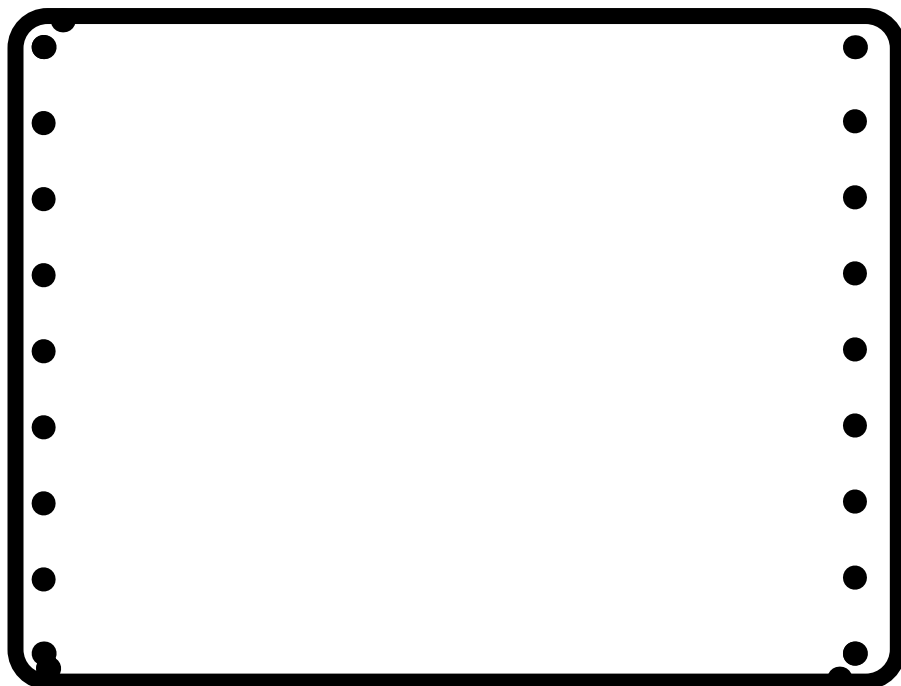
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

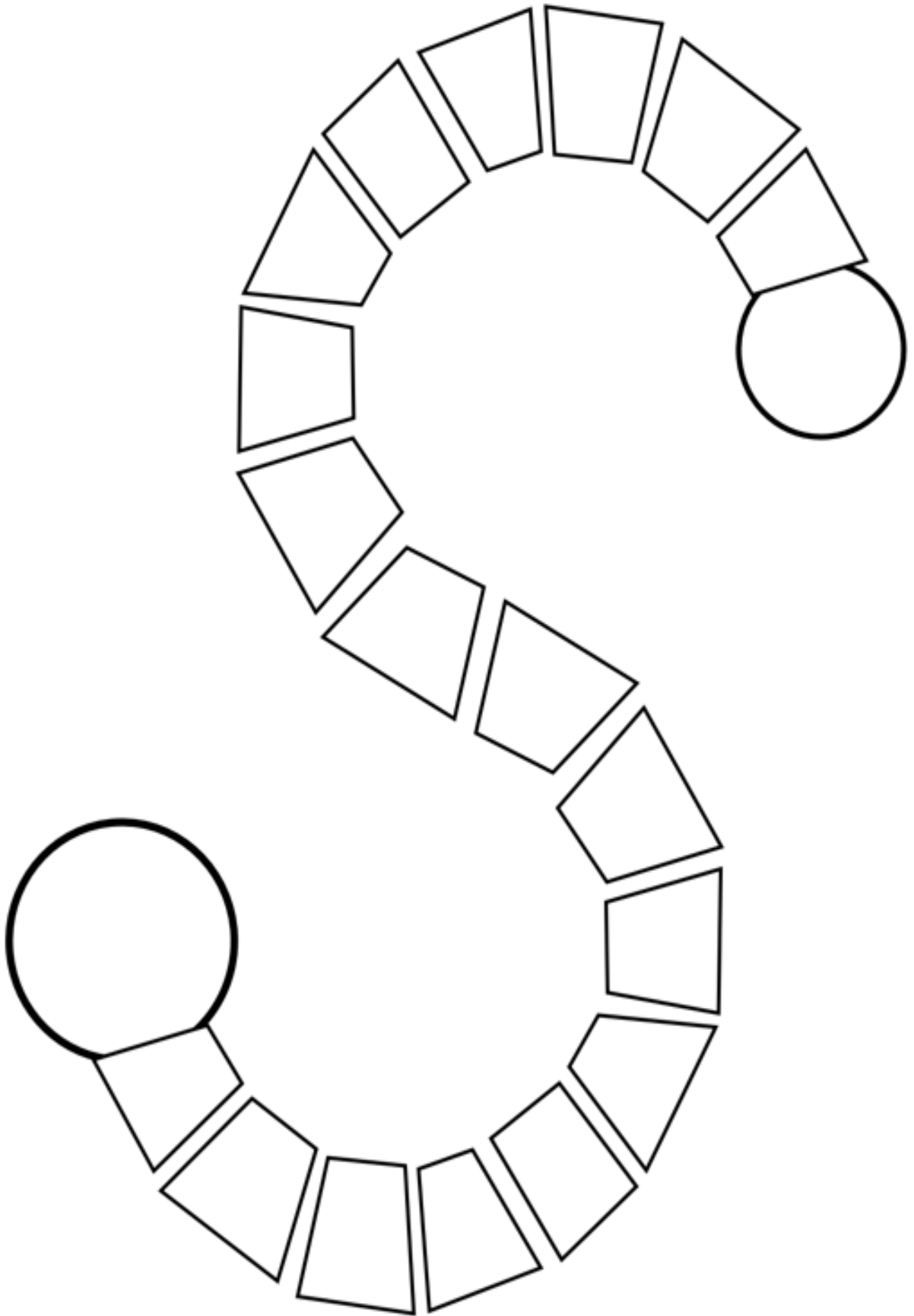
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

# PLAYING CARDS TEMPLATE

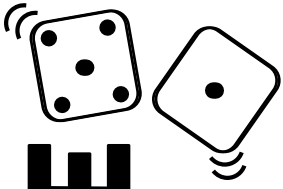


$$\square + \square = \square$$

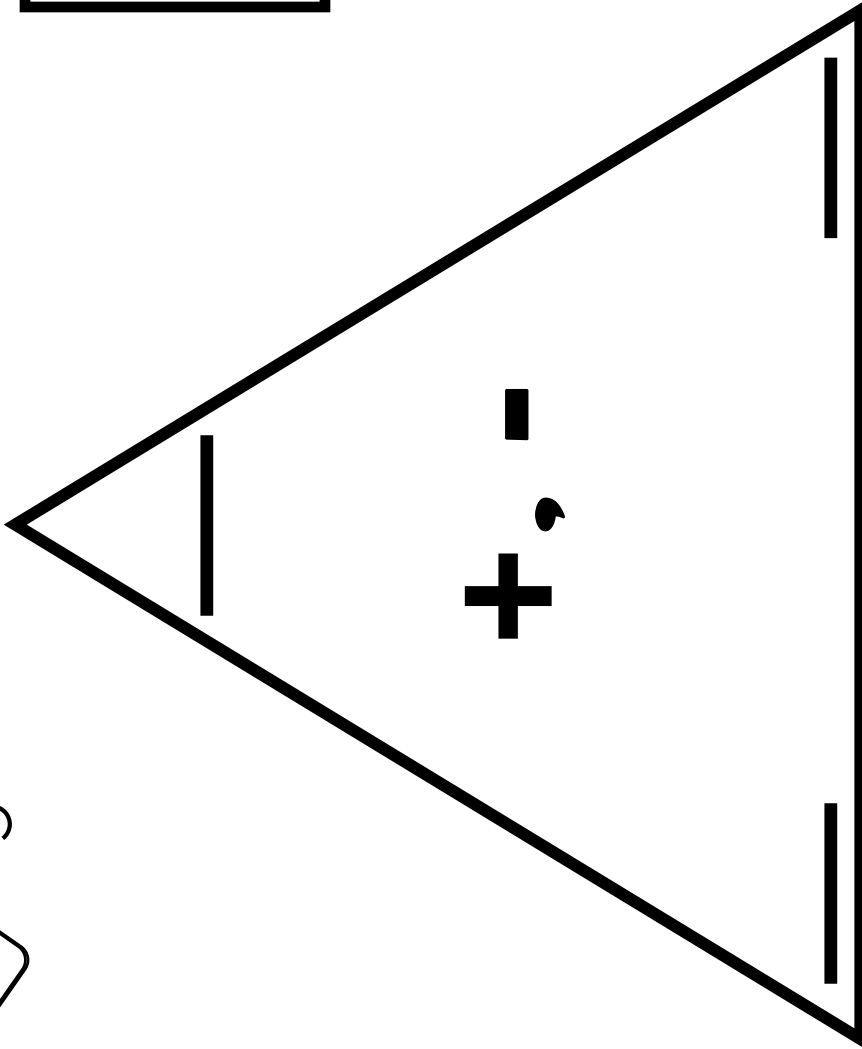
# BOARD GAME TEMPLATE



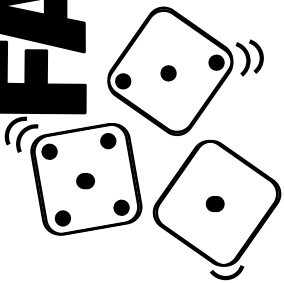
# FACT FAMILY TRIANGLE



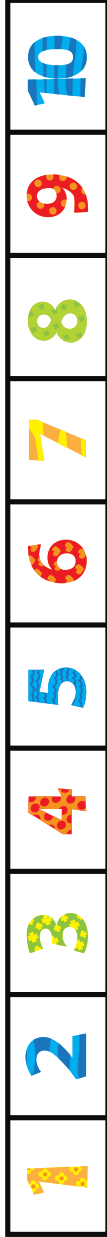
—
+
—



—	—	—	—
+	+	+	+
—	—	—	—



# Addition Number Paths



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

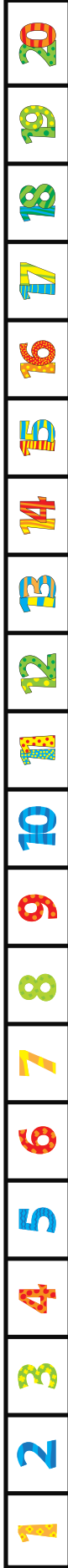


$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

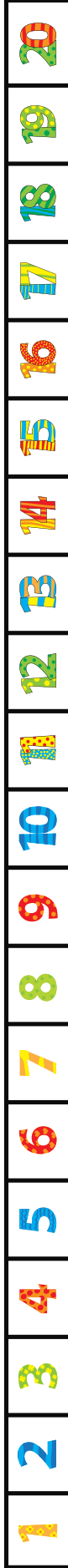


$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

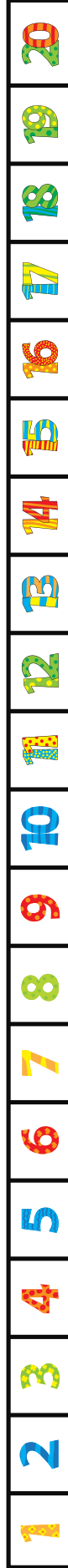
# Addition Number Paths



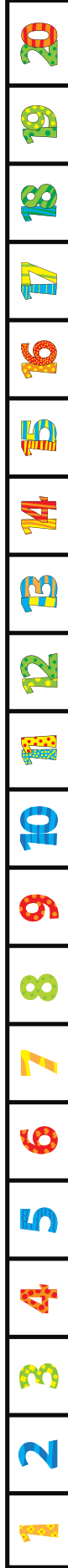
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

# Addition Number Paths 2

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$$\underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad} = \underline{\quad}$$



# Addition Number Paths 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

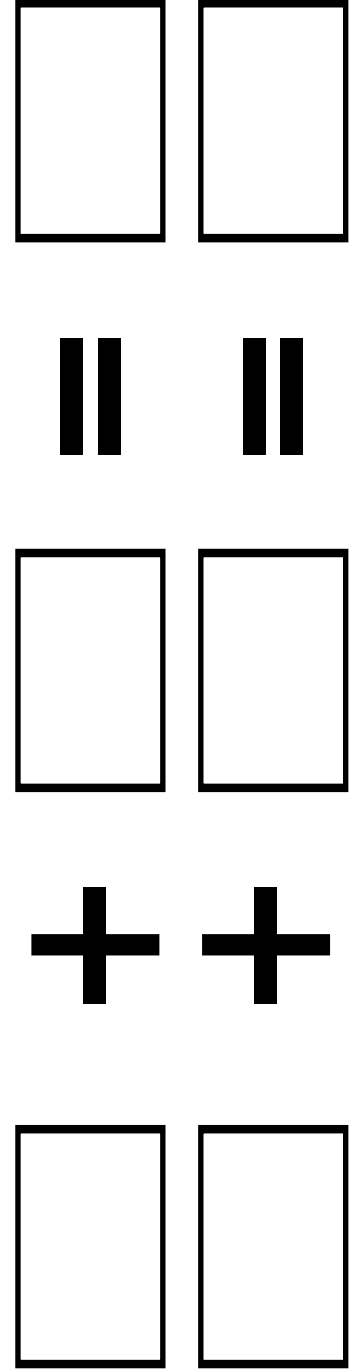
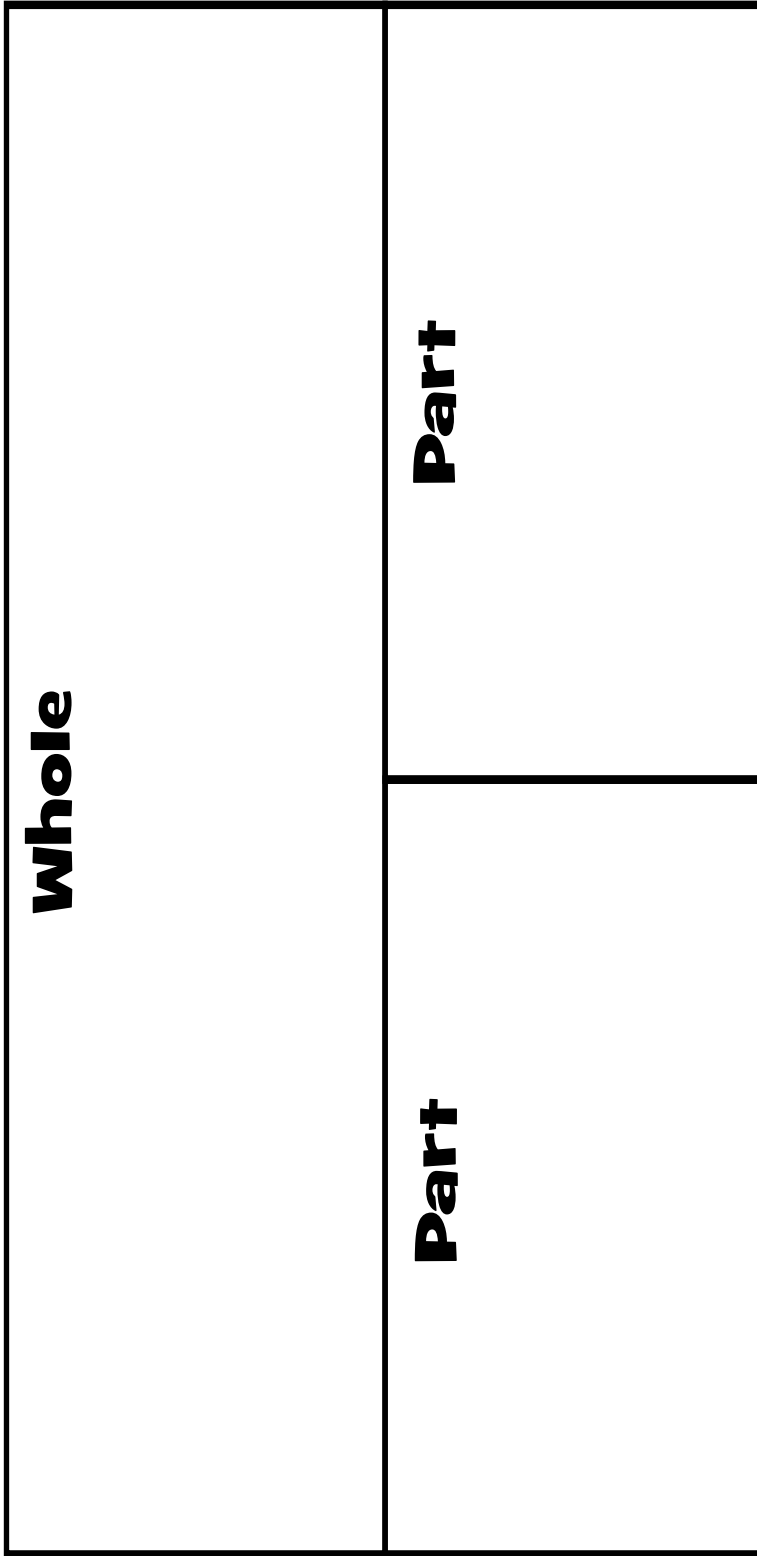
$$\begin{array}{c} \_ \\ + \\ \_ \\ = \\ \_ \end{array} + \begin{array}{c} \_ \\ + \\ \_ \\ = \\ \_ \end{array}$$

$$\begin{array}{c} \_ \\ + \\ \_ \\ = \\ \_ \end{array} + \begin{array}{c} \_ \\ + \\ \_ \\ = \\ \_ \end{array}$$

$$\begin{array}{c} \_ \\ + \\ \_ \\ = \\ \_ \end{array} + \begin{array}{c} \_ \\ + \\ \_ \\ = \\ \_ \end{array}$$

$$\begin{array}{c} \_ \\ + \\ \_ \\ = \\ \_ \end{array} + \begin{array}{c} \_ \\ + \\ \_ \\ = \\ \_ \end{array}$$

# PART PART WHOLE MAT



# HUNDRED CHART ADDITION

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

# USING A HUNDREDS CHART

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

41

A COLUMN GOES **UP** AND **DOWN**

51

61

IT GOES BY **10s**

71

A ROW GOES **LEFT** AND **RIGHT**

34 35 36 37

IT GOES BY **1s**



# A NUMBER LINE



**NUMBERS GET SMALLER WHEN YOU**

**COUNT DOWN**



0 1 2 3 4 5 6 7 8 9 10



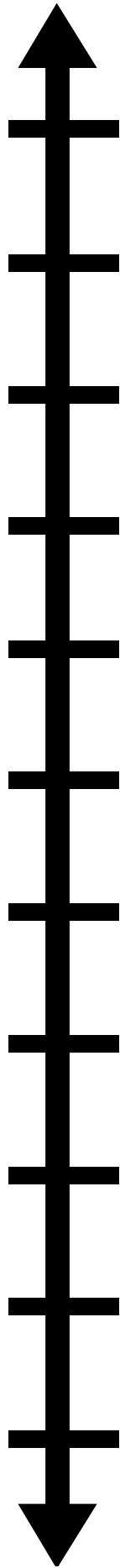
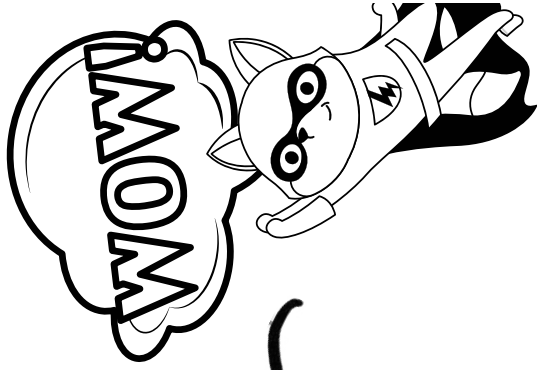
**NUMBERS GET LARGER WHEN YOU**  
**COUNT UP**



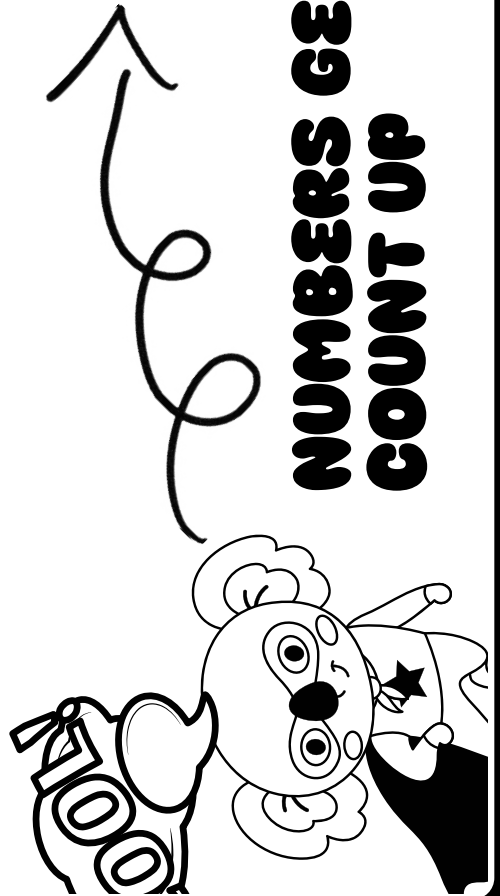


# A NUMBER LINE

**NUMBERS GET SMALLER WHEN YOU  
COUNT DOWN**



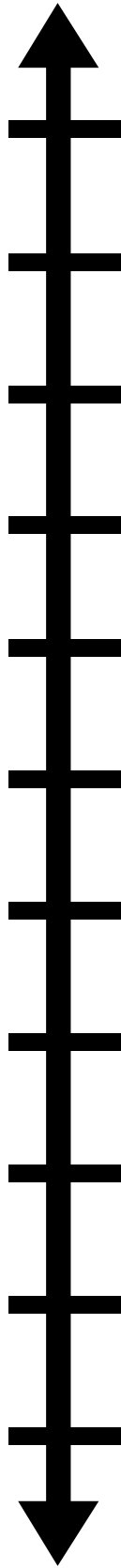
**0 1 2 3 4 5 6 7 8 9 10**



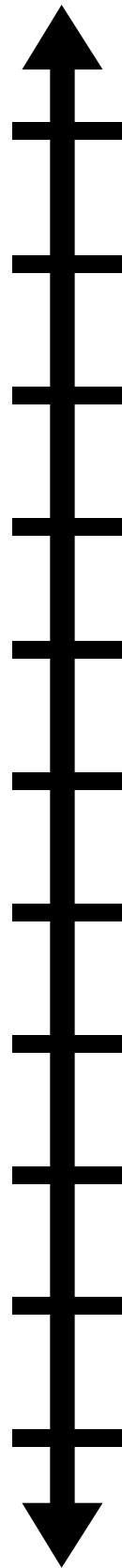
**NUMBERS GET SMALLER WHEN YOU  
COUNT UP**



# Number Lines to 10

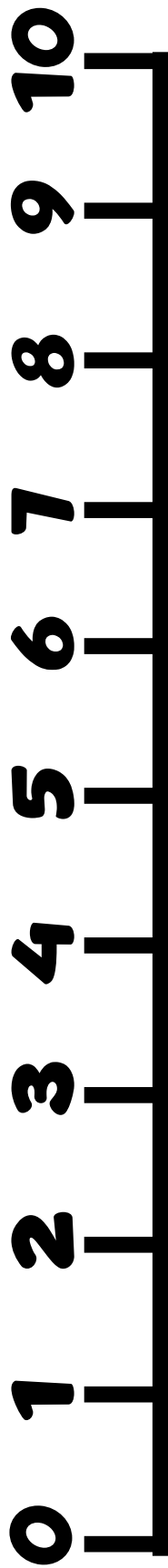


0 1 2 3 4 5 6 7 8 9 10

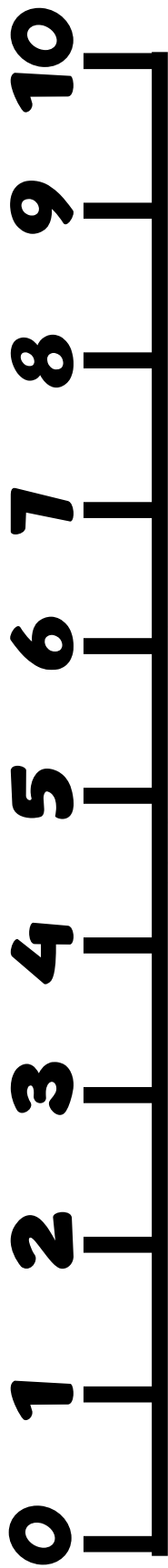


0 1 2 3 4 5 6 7 8 9 10

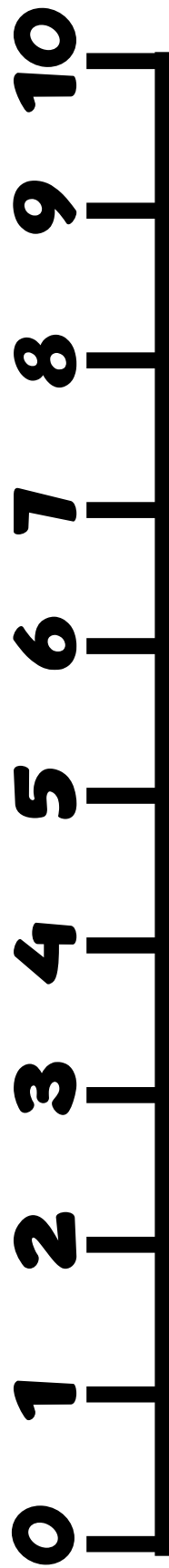
# NUMBER LINE TO 10



[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)













# NUMBER LADDER TO 10

A vertical number ladder with rungs labeled from 0 to 10. The rungs are represented by horizontal bars connected by a central vertical line. The numbers are written in a bold, sans-serif font to the right of each rung.

10  
9  
8  
7  
6  
5  
4  
3  
2  
1  
0

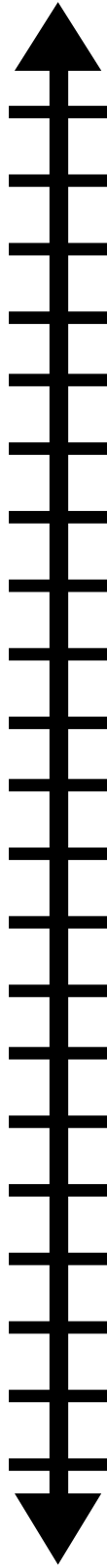
[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

A vertical number ladder with rungs labeled from 0 to 10. Each rung is accompanied by a small illustration of a sea creature. The rungs are represented by horizontal bars connected by a central vertical line. The numbers are written in a bold, sans-serif font to the right of each rung. A partial illustration of a crab is visible at the top left corner of the ladder's frame.

10   
9   
8   
7   
6   
5   
4   
3   
2   
1   
0

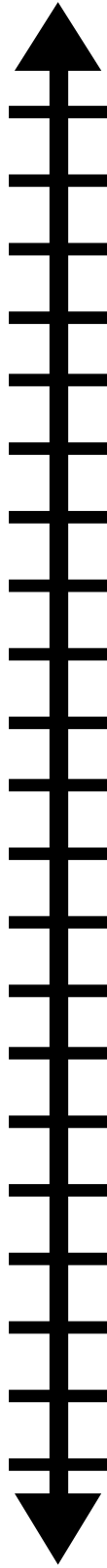
[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# NUMBER LINE TO 20



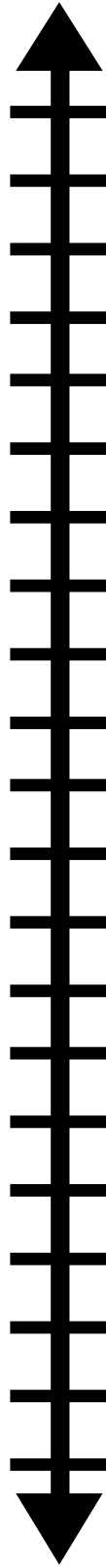
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

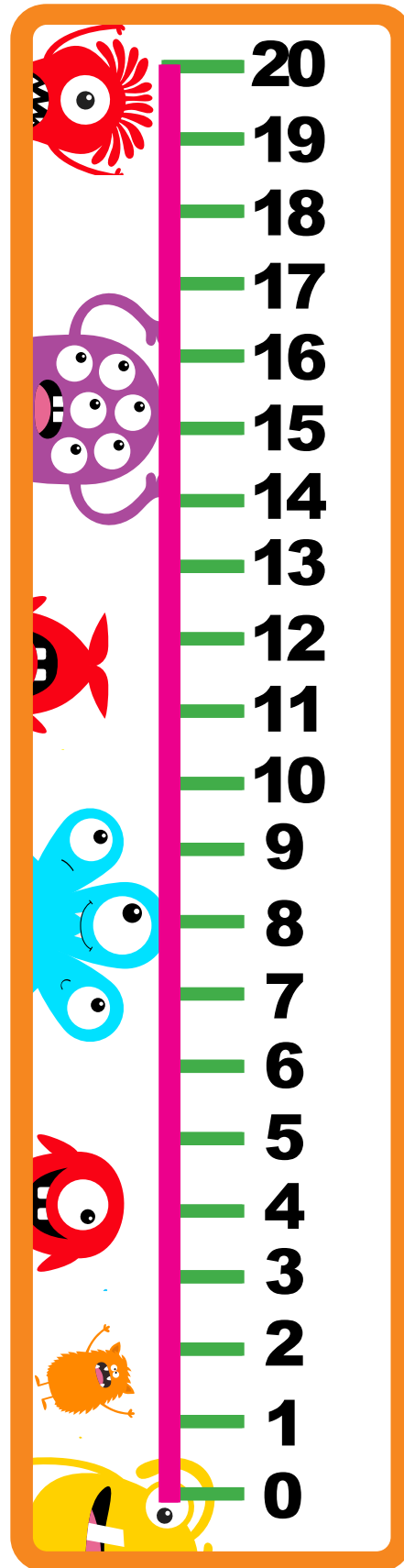
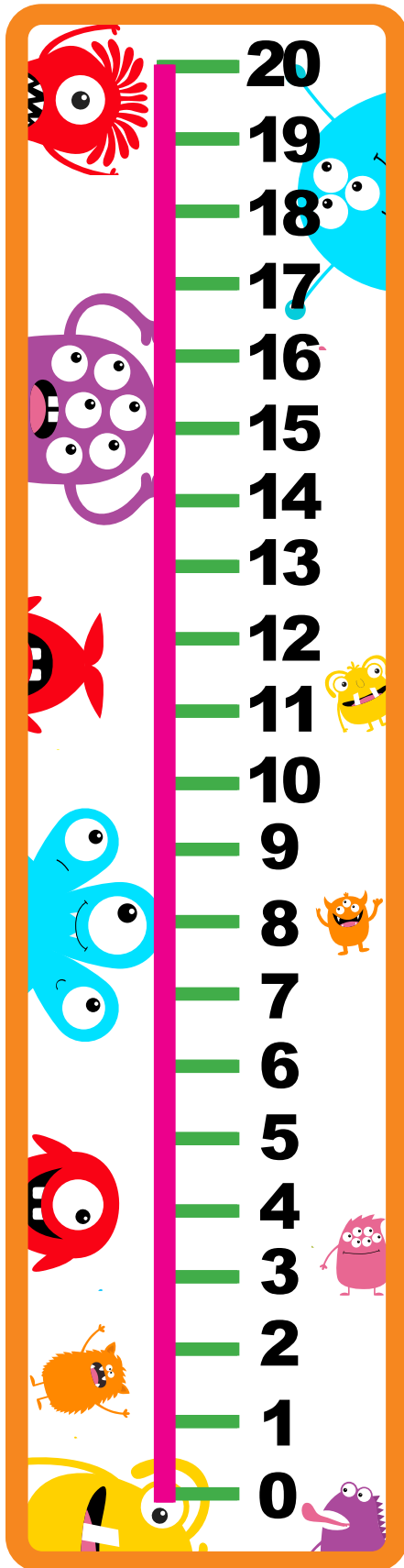
[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# NUMBER LADDER TO 20



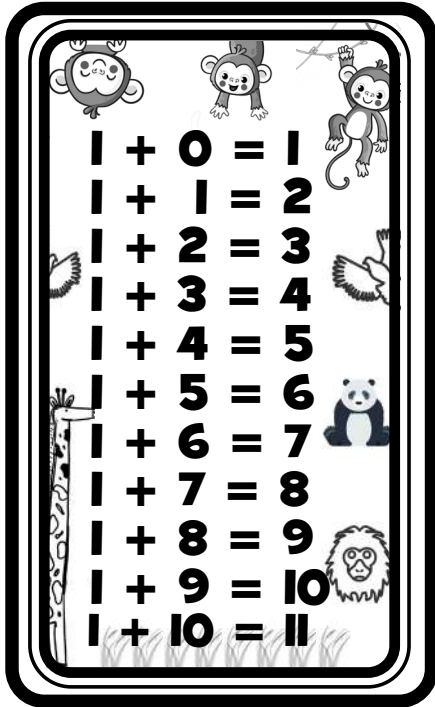
# ADDITION CHART

<b>+</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>1</b>	2	3	4	5	6	7	8	9	10	11	12	13
<b>2</b>	3	4	5	6	7	8	9	10	11	12	13	14
<b>3</b>	4	5	6	7	8	9	10	11	12	13	14	15
<b>4</b>	5	6	7	8	9	10	11	12	13	14	15	16
<b>5</b>	6	7	8	9	10	11	12	13	14	15	16	17
<b>6</b>	7	8	9	10	11	12	13	14	15	16	17	18
<b>7</b>	8	9	10	11	12	13	14	15	16	17	18	19
<b>8</b>	9	10	11	12	13	14	15	16	17	18	19	20
<b>9</b>	10	11	12	13	14	15	16	17	18	19	20	21
<b>10</b>	11	12	13	14	15	16	17	18	19	20	21	22
<b>11</b>	12	13	14	15	16	17	18	19	20	21	22	23
<b>12</b>	13	14	15	16	17	18	19	20	21	22	23	24

# ADDITION TABLE

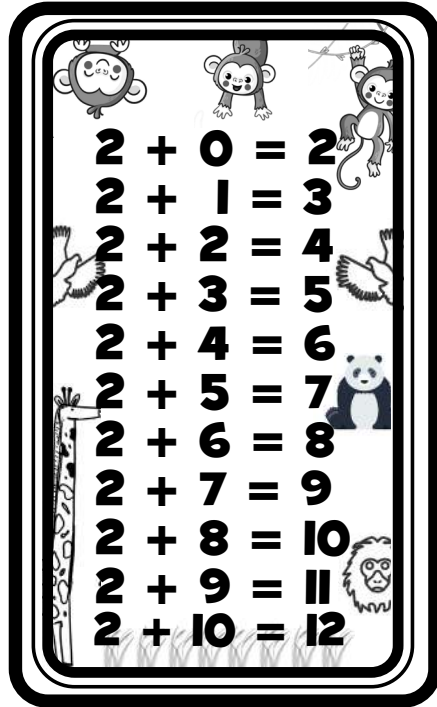
+	1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10	11
2	3	4	5	6	7	8	9	10	11	12
3	4	5	6	7	8	9	10	11	12	13
4	5	6	7	8	9	10	11	12	13	14
5	6	7	8	9	10	11	12	13	14	15
6	7	8	9	10	11	12	13	14	15	16
7	8	9	10	11	12	13	14	15	16	17
8	9	10	11	12	13	14	15	16	17	18
9	10	11	12	13	14	15	16	17	18	19
10	11	12	13	14	15	16	17	18	19	20

# ADDITION TABLE



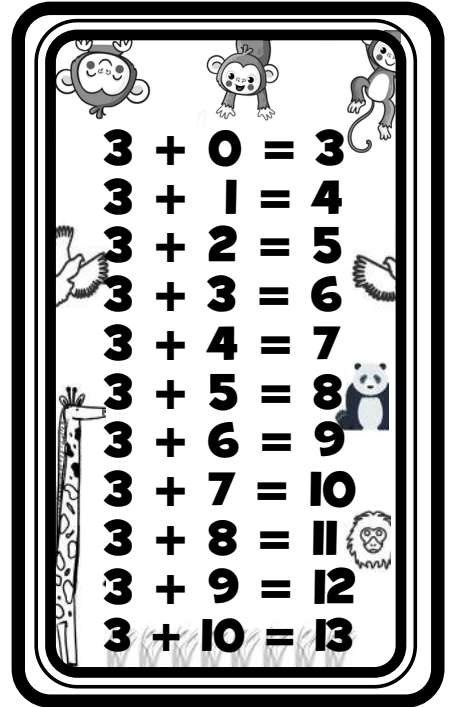
1 + 0 = 1  
1 + 1 = 2  
1 + 2 = 3  
1 + 3 = 4  
1 + 4 = 5  
1 + 5 = 6  
1 + 6 = 7  
1 + 7 = 8  
1 + 8 = 9  
1 + 9 = 10  
1 + 10 = 11

This block contains a vertical list of 11 simple addition problems where the first addend is 1. The problems are arranged in a column. The page is decorated with cartoon monkeys at the top, a giraffe on the left, and a panda and lion at the bottom.



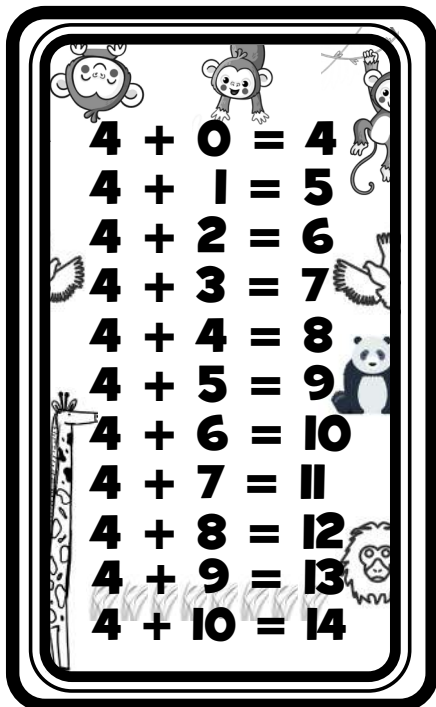
2 + 0 = 2  
2 + 1 = 3  
2 + 2 = 4  
2 + 3 = 5  
2 + 4 = 6  
2 + 5 = 7  
2 + 6 = 8  
2 + 7 = 9  
2 + 8 = 10  
2 + 9 = 11  
2 + 10 = 12

This block contains a vertical list of 11 simple addition problems where the first addend is 2. The problems are arranged in a column. The page is decorated with cartoon monkeys at the top, a giraffe on the left, and a panda and lion at the bottom.



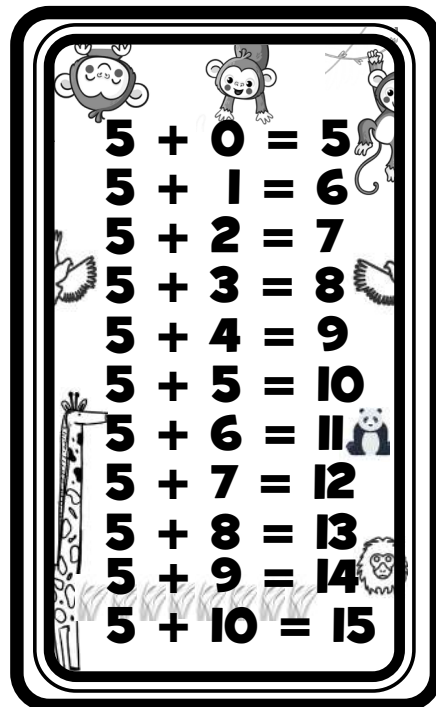
3 + 0 = 3  
3 + 1 = 4  
3 + 2 = 5  
3 + 3 = 6  
3 + 4 = 7  
3 + 5 = 8  
3 + 6 = 9  
3 + 7 = 10  
3 + 8 = 11  
3 + 9 = 12  
3 + 10 = 13

This block contains a vertical list of 11 simple addition problems where the first addend is 3. The problems are arranged in a column. The page is decorated with cartoon monkeys at the top, a giraffe on the left, and a panda and lion at the bottom.



4 + 0 = 4  
4 + 1 = 5  
4 + 2 = 6  
4 + 3 = 7  
4 + 4 = 8  
4 + 5 = 9  
4 + 6 = 10  
4 + 7 = 11  
4 + 8 = 12  
4 + 9 = 13  
4 + 10 = 14

This block contains a vertical list of 11 simple addition problems where the first addend is 4. The problems are arranged in a column. The page is decorated with cartoon monkeys at the top, a giraffe on the left, and a panda and lion at the bottom.



5 + 0 = 5  
5 + 1 = 6  
5 + 2 = 7  
5 + 3 = 8  
5 + 4 = 9  
5 + 5 = 10  
5 + 6 = 11  
5 + 7 = 12  
5 + 8 = 13  
5 + 9 = 14  
5 + 10 = 15

This block contains a vertical list of 11 simple addition problems where the first addend is 5. The problems are arranged in a column. The page is decorated with cartoon monkeys at the top, a giraffe on the left, and a panda and lion at the bottom.

# ADDITION TABLE

6	+	0	=	6
6	+	1	=	7
6	+	2	=	8
6	+	3	=	9
6	+	4	=	10
6	+	5	=	11
6	+	6	=	12
6	+	7	=	13
6	+	8	=	14
6	+	9	=	15
6	+	10	=	16

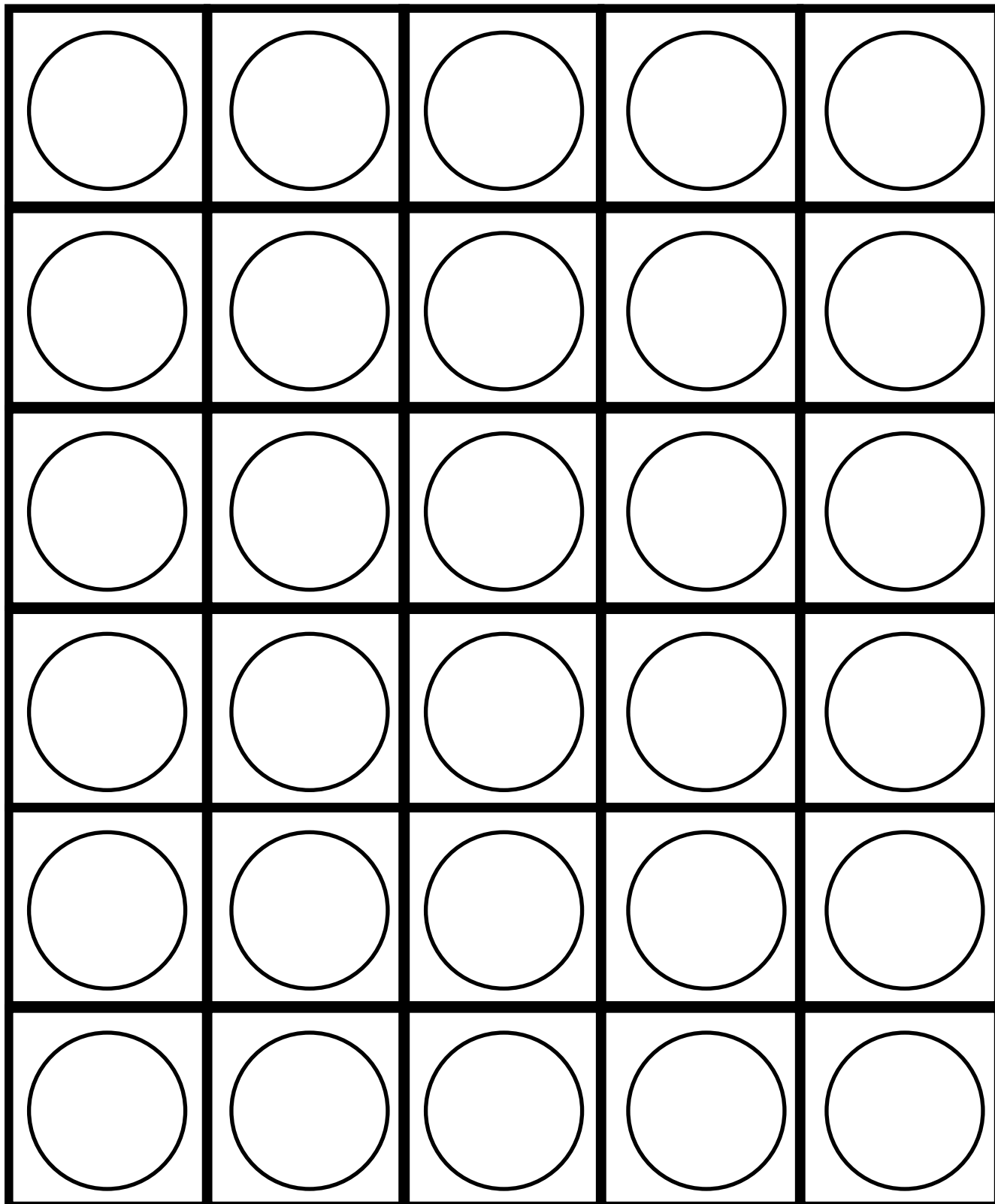
7	+	0	=	7
7	+	1	=	8
7	+	2	=	9
7	+	3	=	10
7	+	4	=	11
7	+	5	=	12
7	+	6	=	13
7	+	7	=	14
7	+	8	=	15
7	+	9	=	16
7	+	10	=	17

8	+	0	=	8
8	+	1	=	9
8	+	2	=	10
8	+	3	=	11
8	+	4	=	12
8	+	5	=	13
8	+	6	=	14
8	+	7	=	15
8	+	8	=	16
8	+	9	=	17
8	+	10	=	18

9	+	0	=	9
9	+	1	=	10
9	+	2	=	11
9	+	3	=	12
9	+	4	=	13
9	+	5	=	14
9	+	6	=	15
9	+	7	=	16
9	+	8	=	17
9	+	9	=	18
9	+	10	=	19

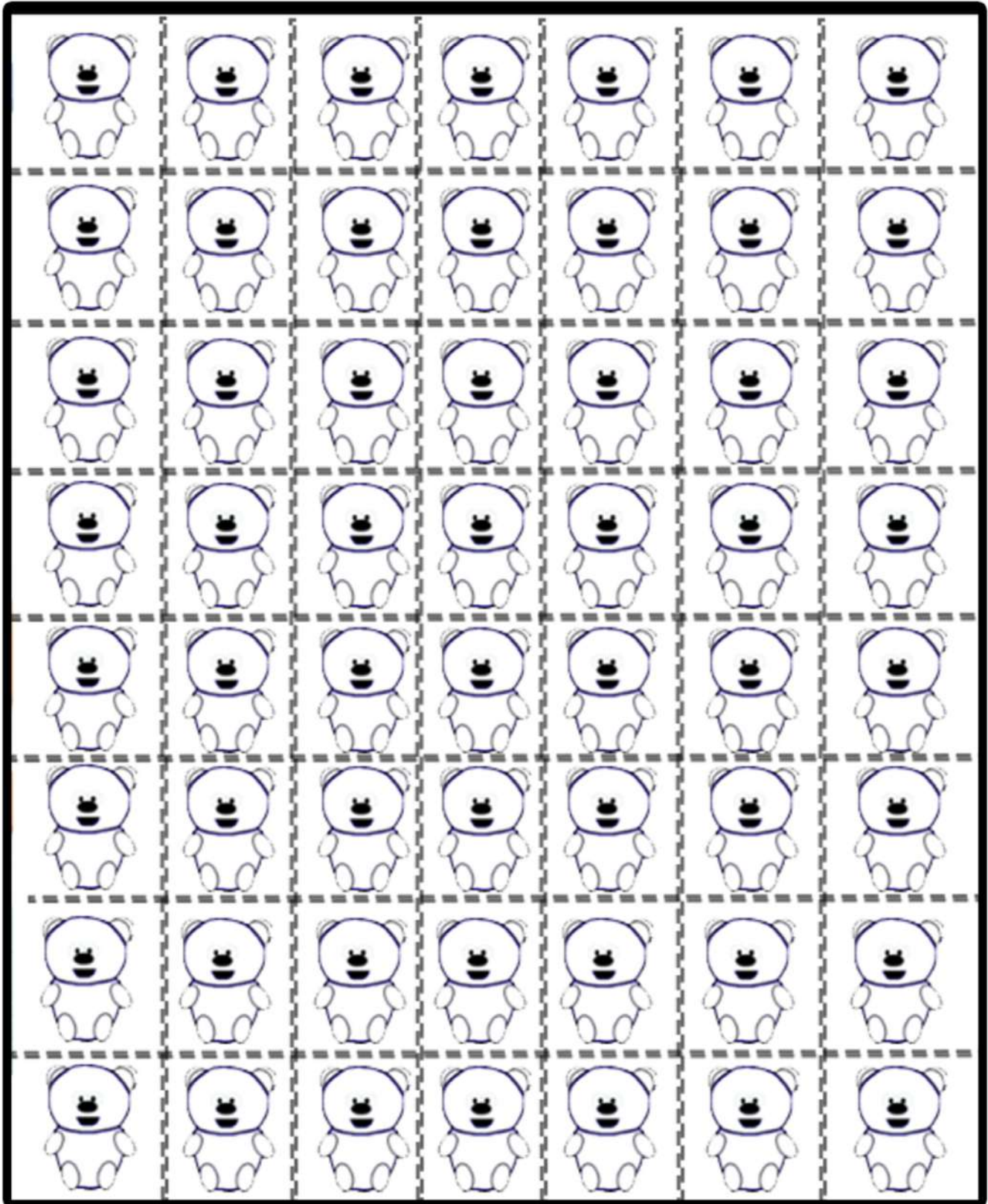
10	+	0	=	10
10	+	1	=	11
10	+	2	=	12
10	+	3	=	13
10	+	4	=	14
10	+	5	=	15
10	+	6	=	16
10	+	7	=	17
10	+	8	=	18
10	+	9	=	19
10	+	10	=	20

# CIRCLE COUNTERS





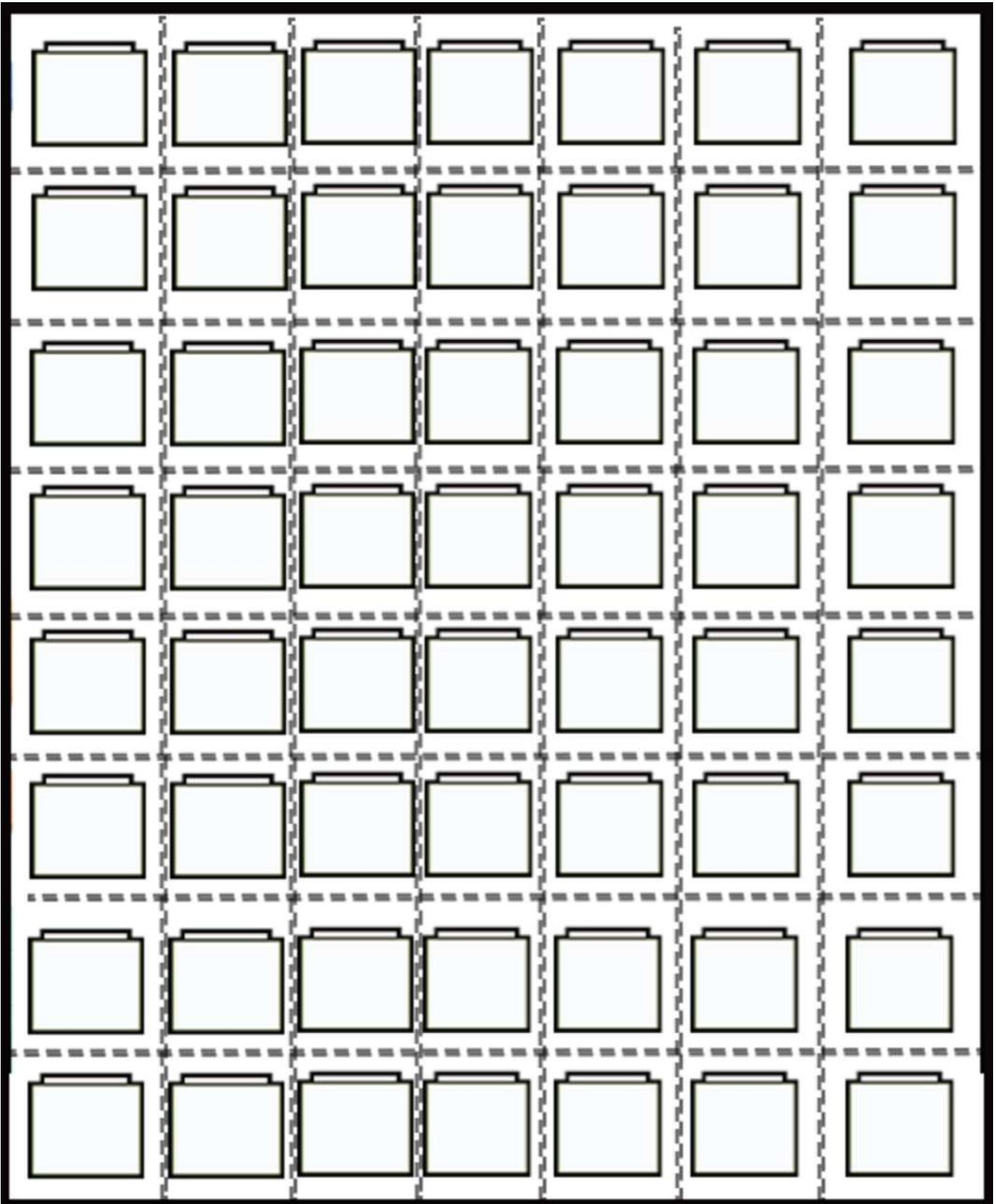
# BEAR COUNTERS



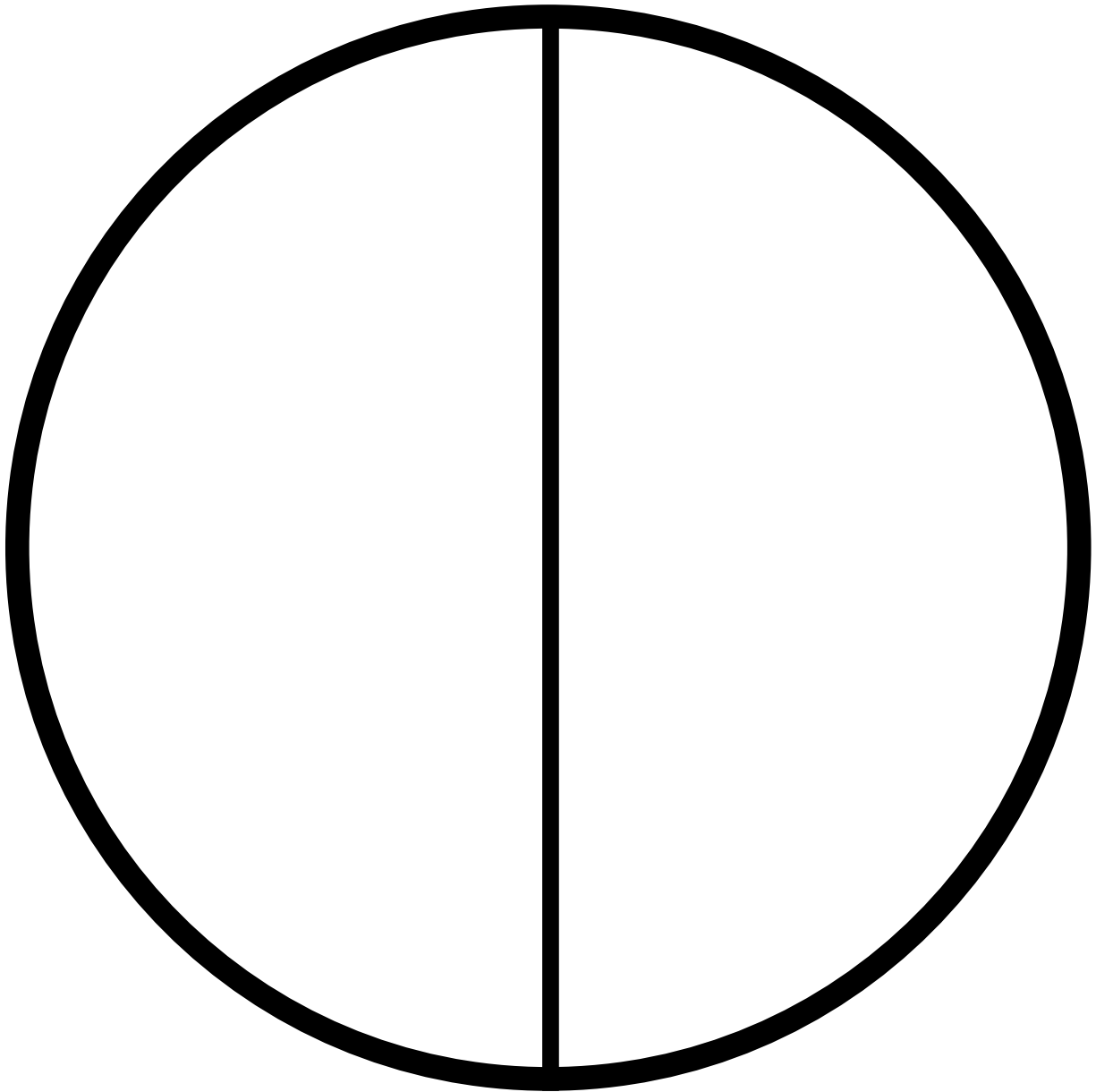
# PENNY COUNTERS



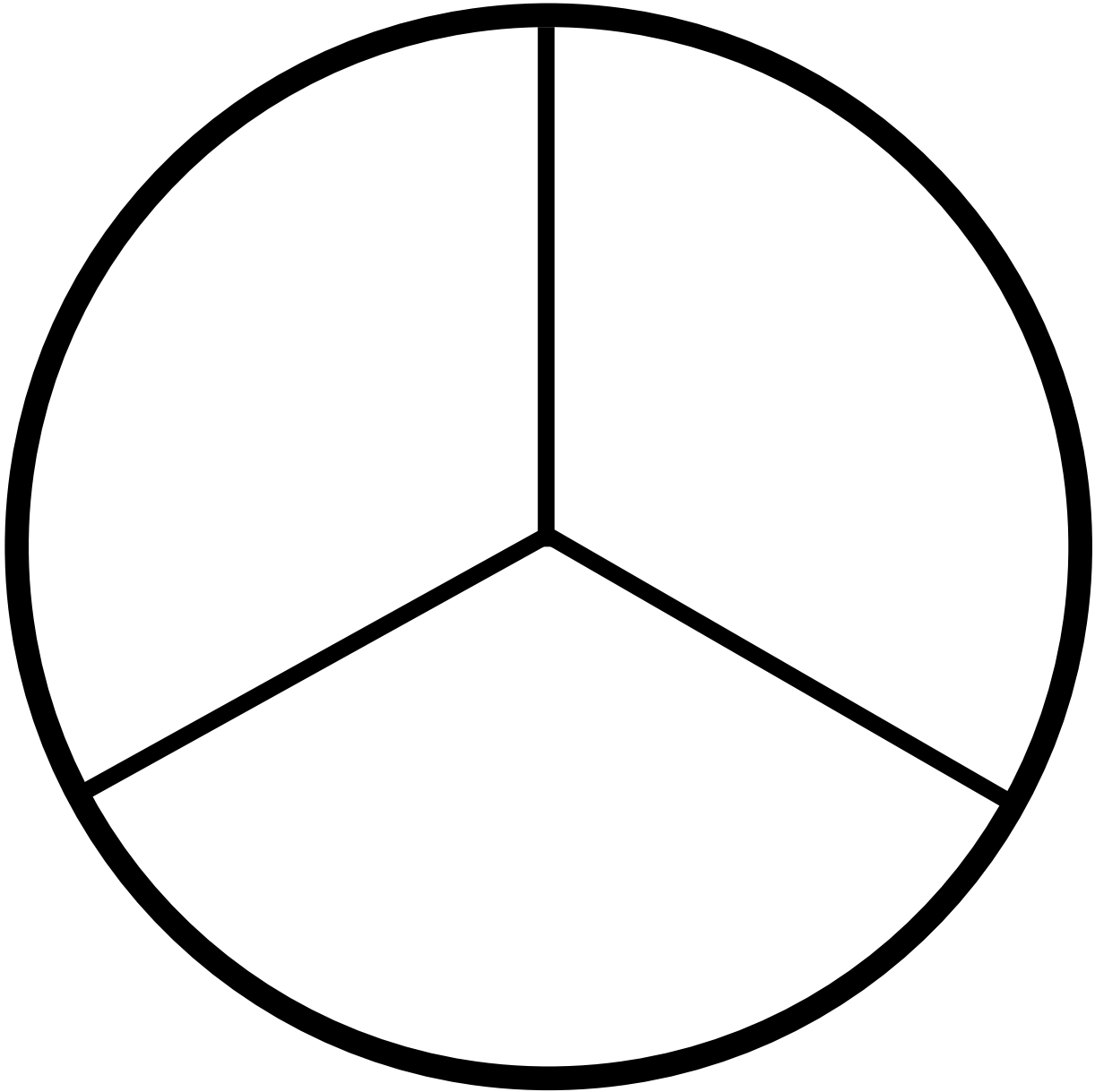
# CUBE COUNTERS



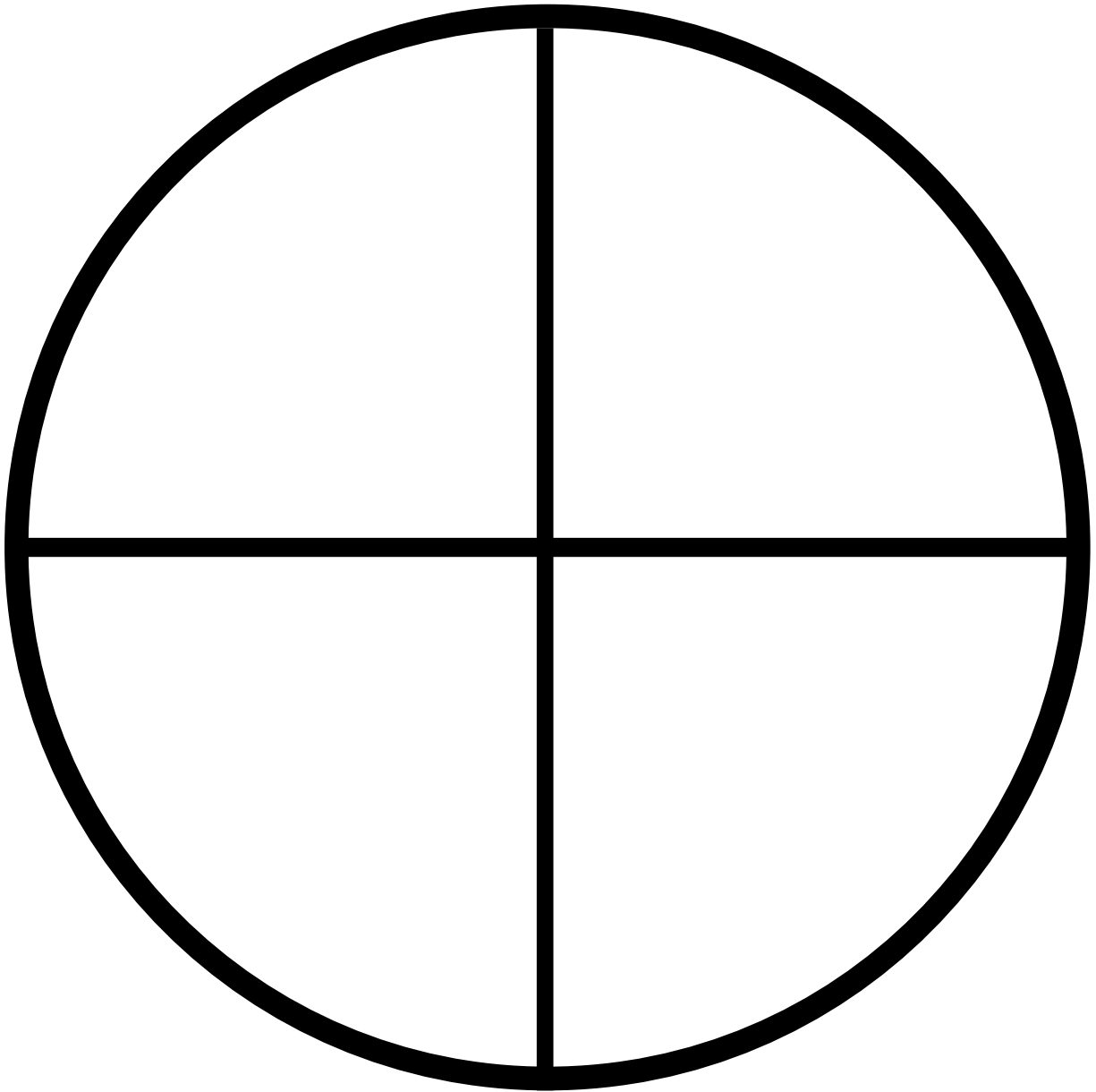
# SPINNER



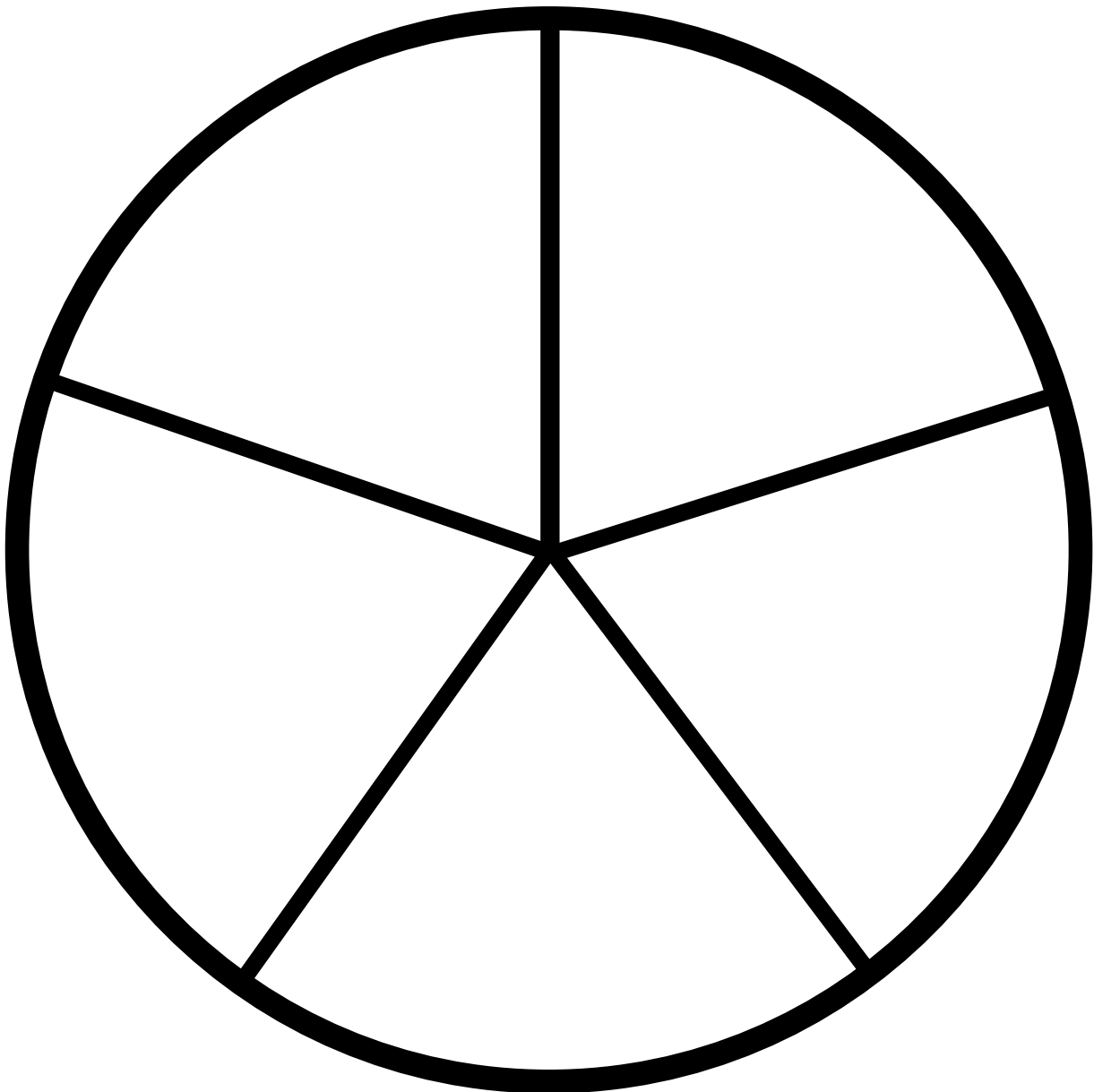
# SPINNER



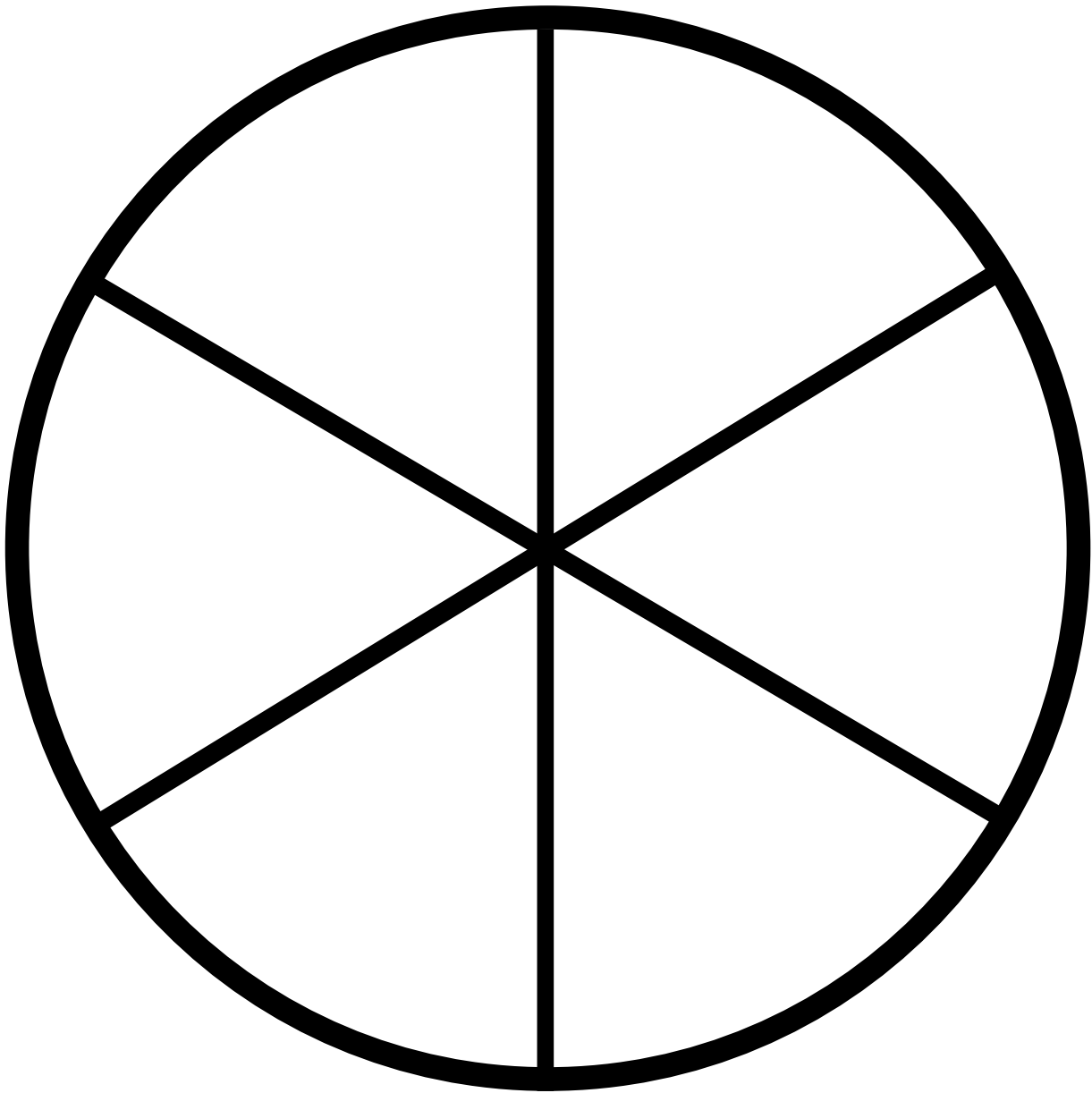
# SPINNER



# SPINNER

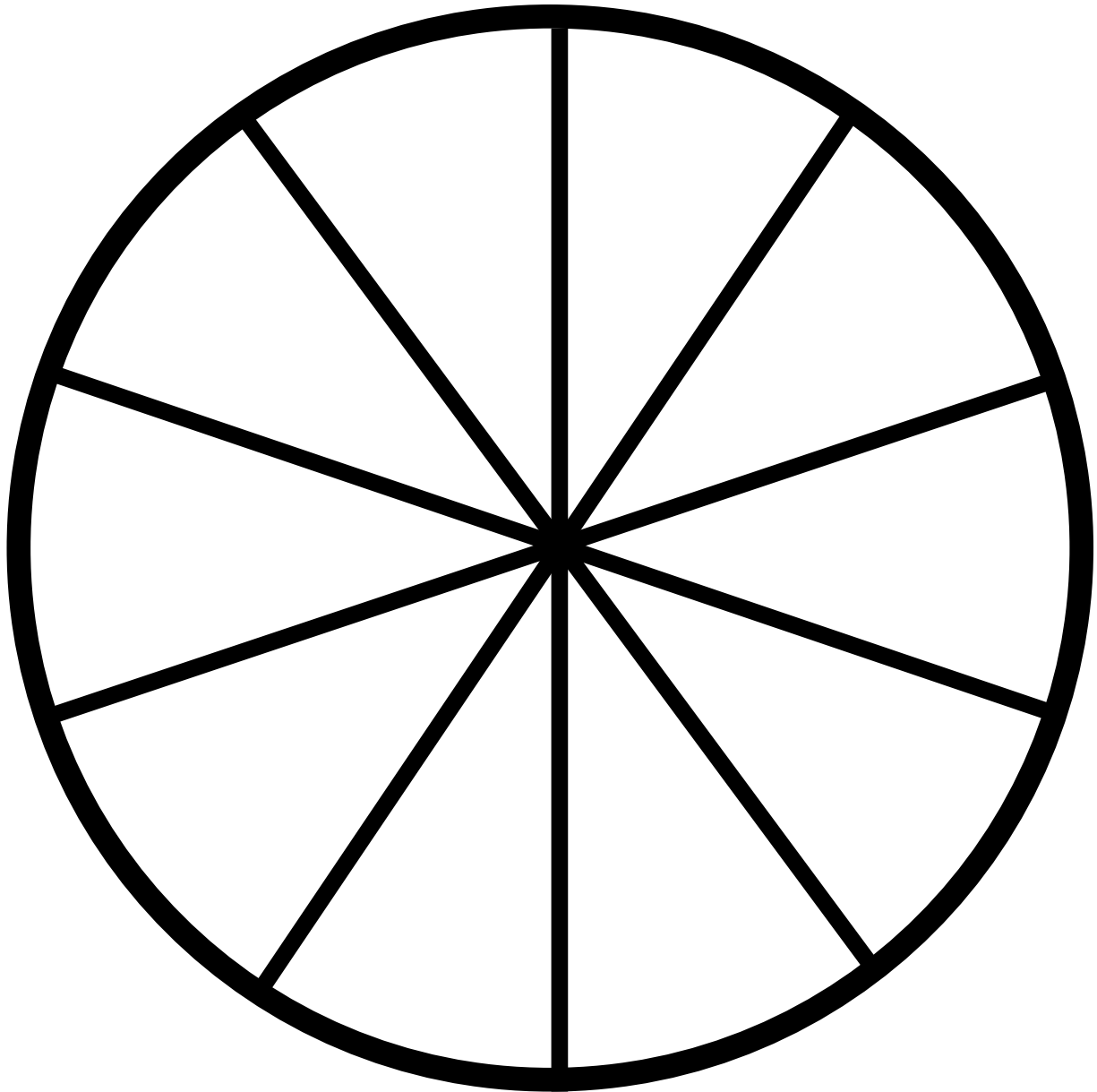


# SPINNER

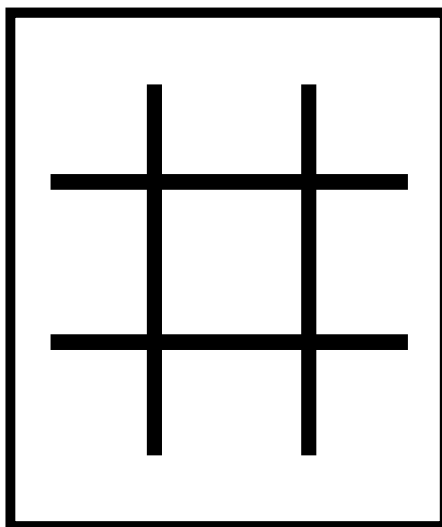
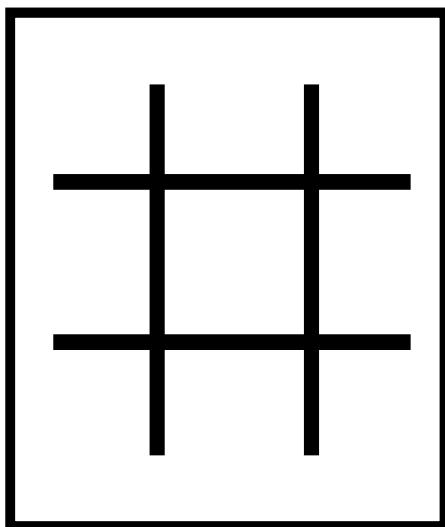
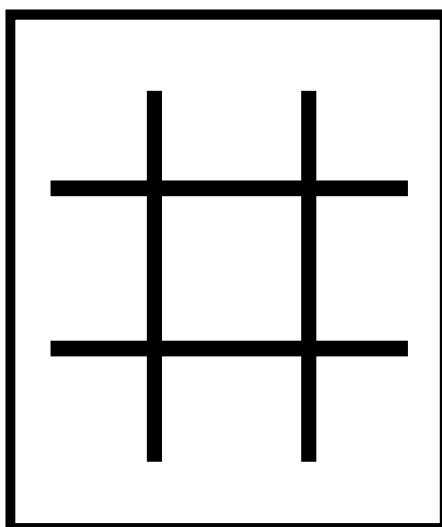
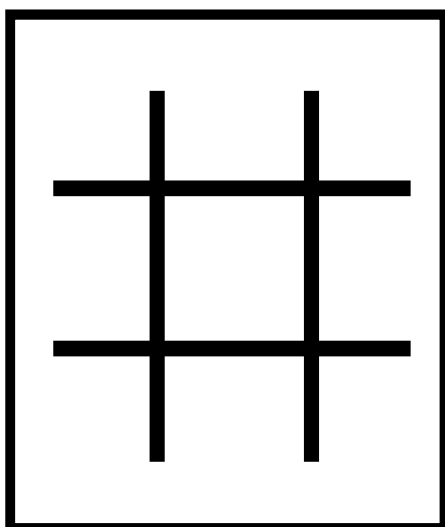
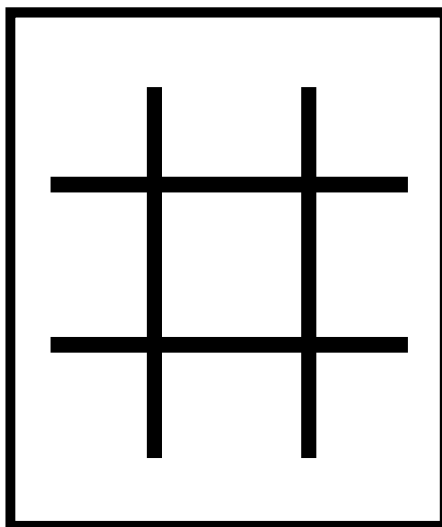
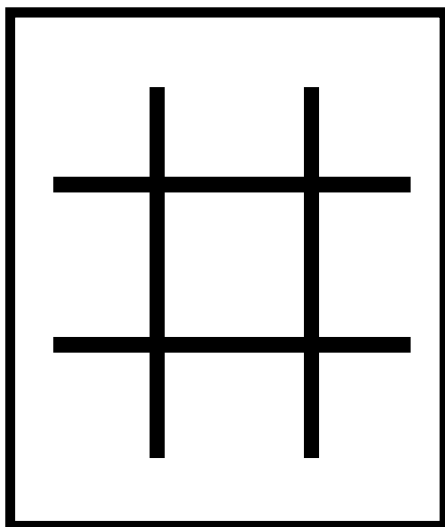




# SPINNER



# Tic Tac Toe



# ADDING WITHIN 10 ADDITION BOARD GAME

Instructions: Roll the dice. Move and solve the problem. Whoever reaches the end first wins!

6 + 3

3 + 3

4 + 5

8 + 1

START

2 + 5

8 + 2

7 + 3

6 + 4

4 + 4

1 + 9

5 + 5

3 + 5

4 + 3

7 + 2

3 + 3

2 + 2

5 + 1

2 + 6

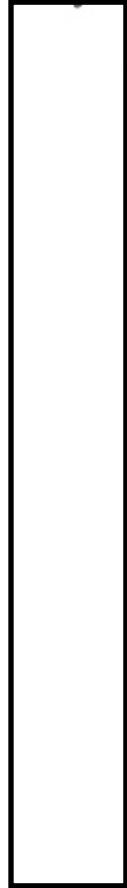
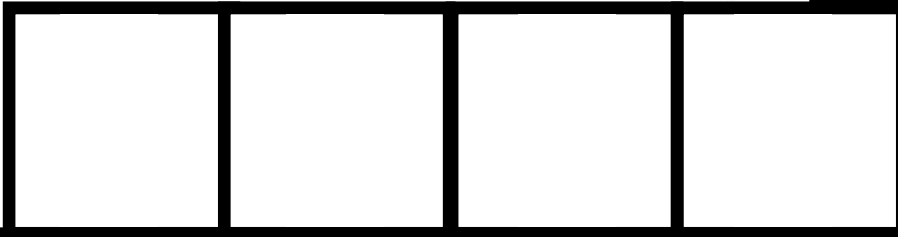
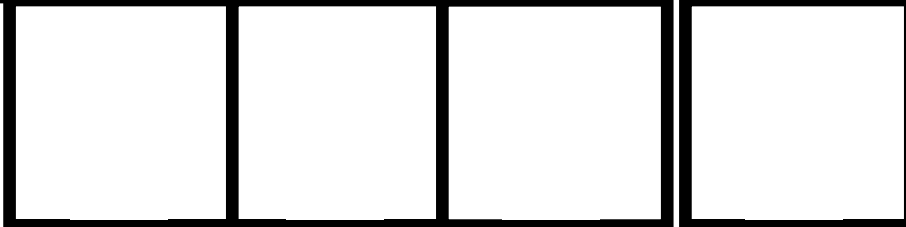
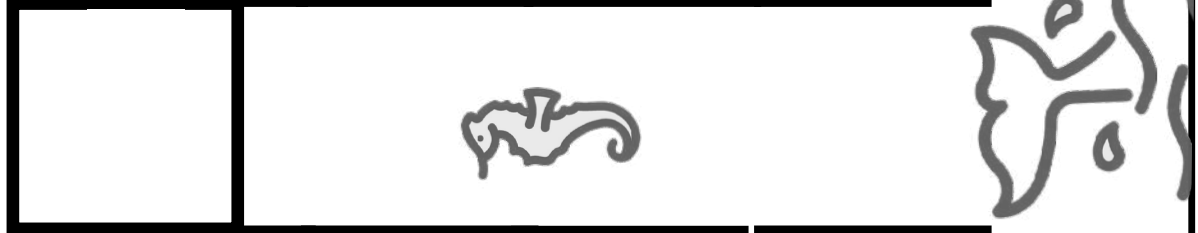
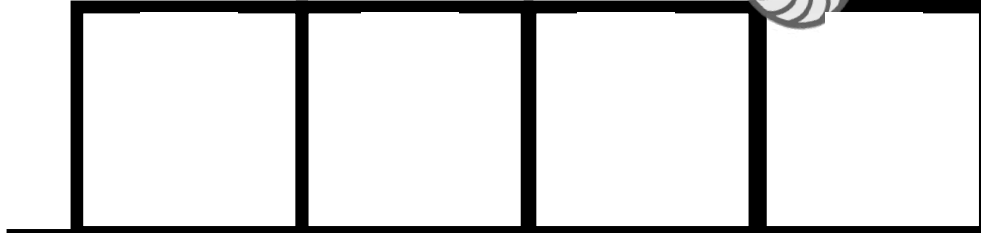
1 + 7

2 + 5

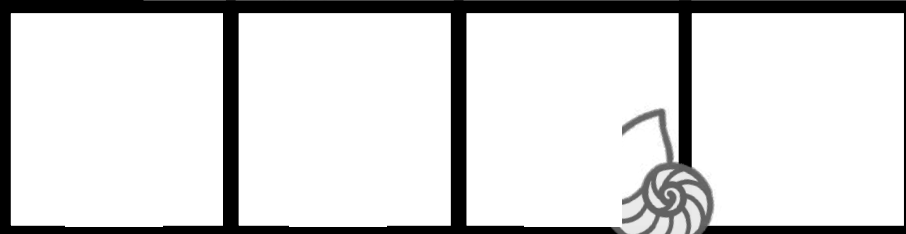
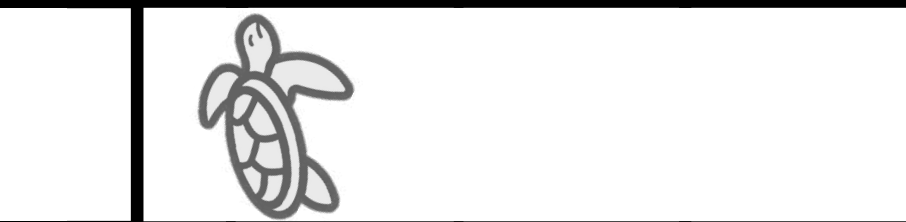
FINISH



**FINISH**



**Instructions: Roll the dice. Move and solve the problem. Whoever reaches the end first wins!**



**START**



# Addition Mat

<b>Tens</b>	<b>Ones</b>												
	<table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>												
	<table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>												

# Addition Mat

<b>Tens</b>	<b>Ones</b>																								
	<table border="1"><tbody><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></tbody></table> <table border="1"><tbody><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></tbody></table>																								

# Addition Mat

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**=**

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**+**

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# Addition Mat

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=

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+

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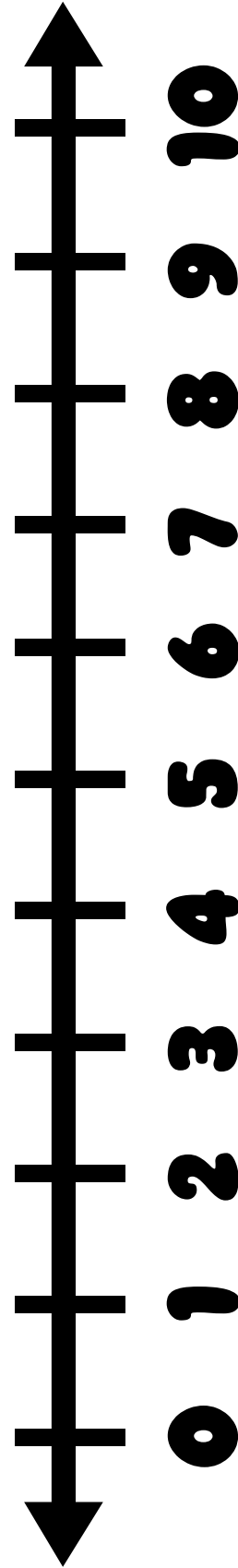



# Addition Mat

=

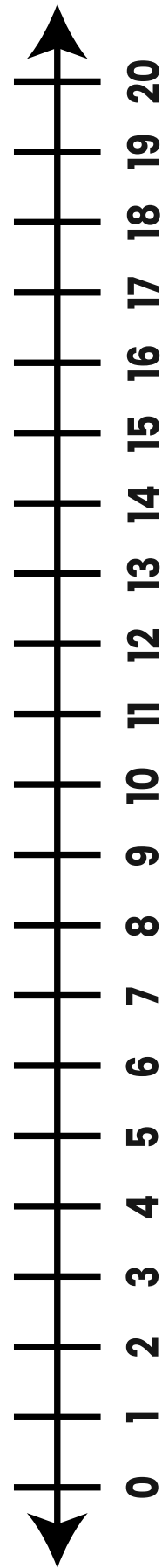
+


# Addition Mat

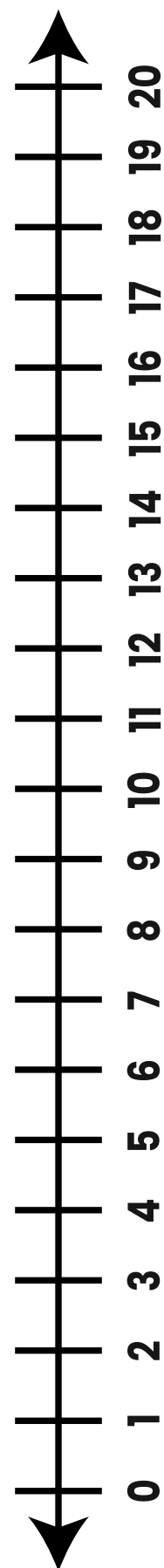



# Addition Mat





# Addition Mat

# Addition Mat


1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

# Addition Mat


<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>

# Addition Mat

--

**=**

--

**+**

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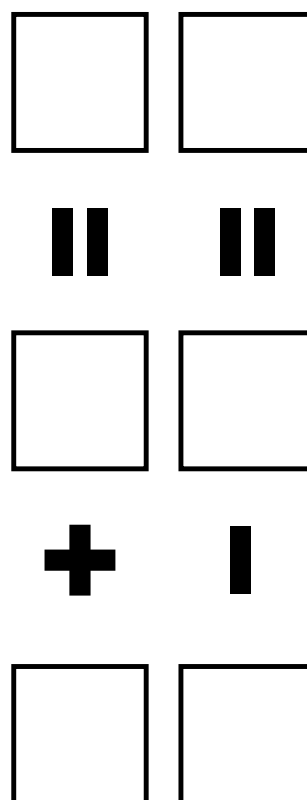
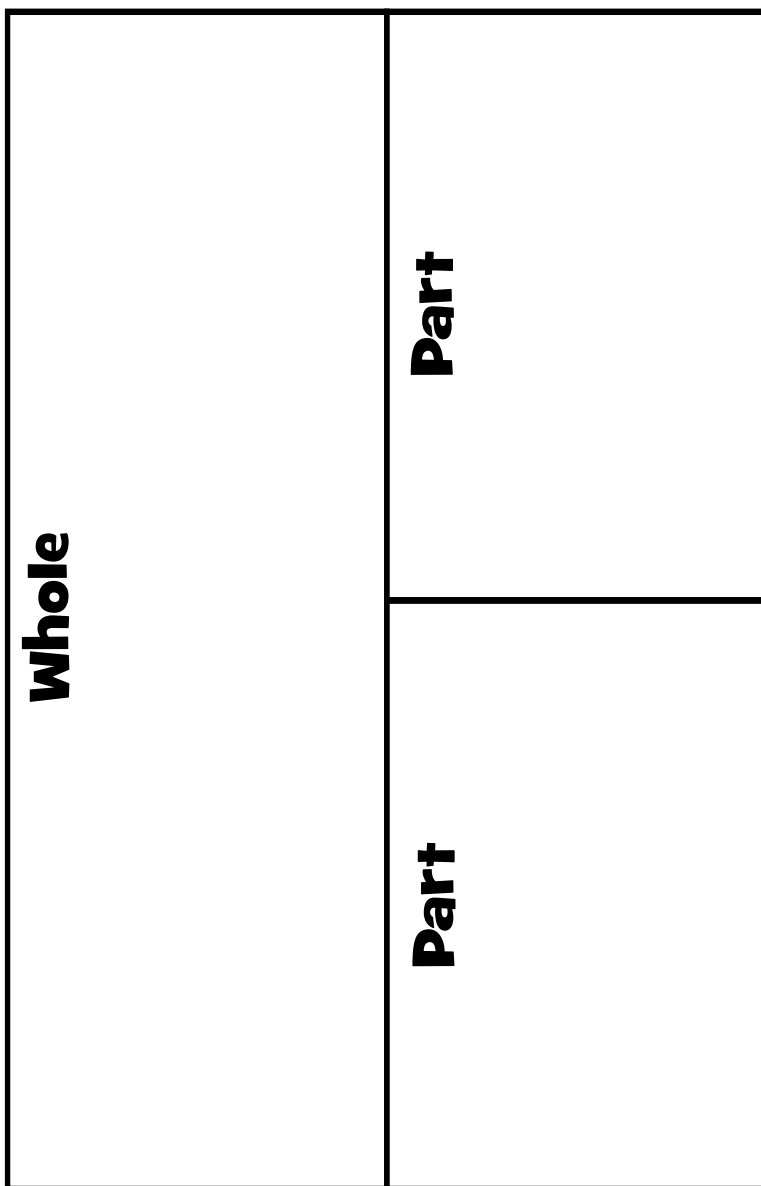


# Addition Mat

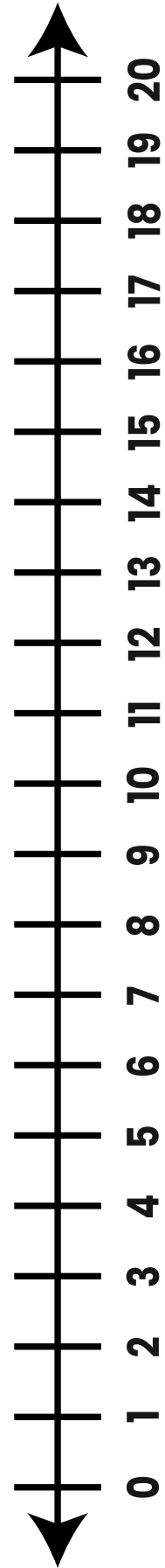
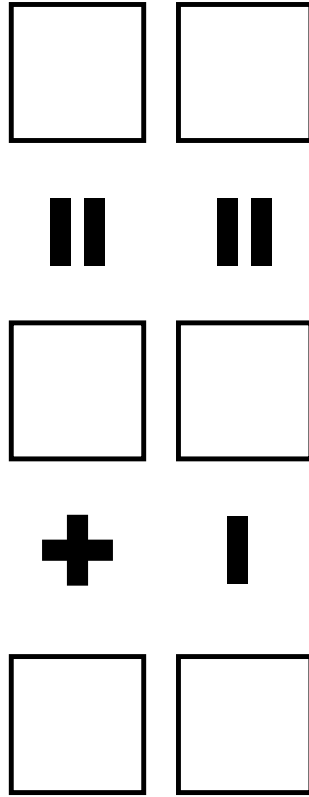
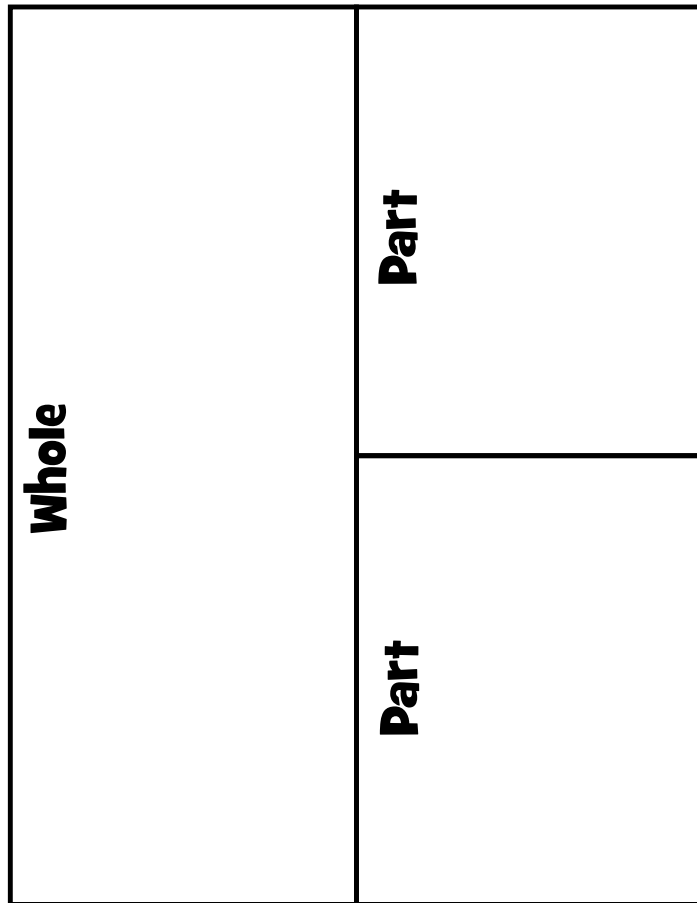

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>



# Addition Mat



# Addition Mat



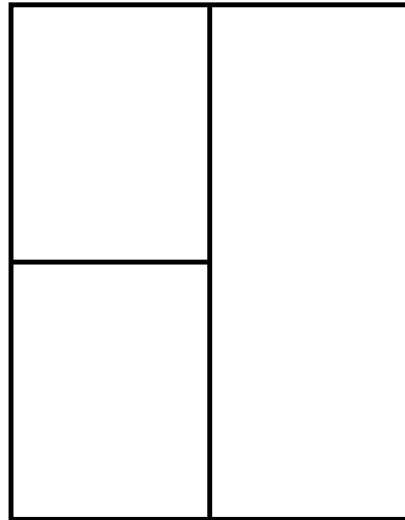
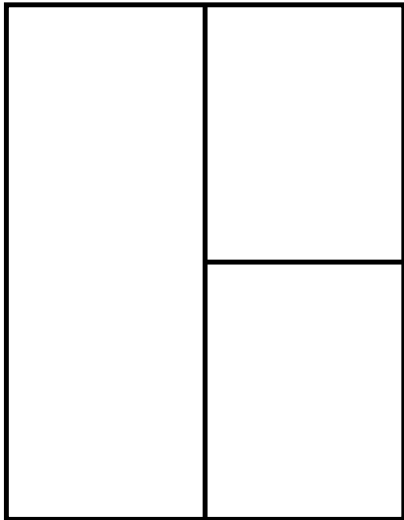
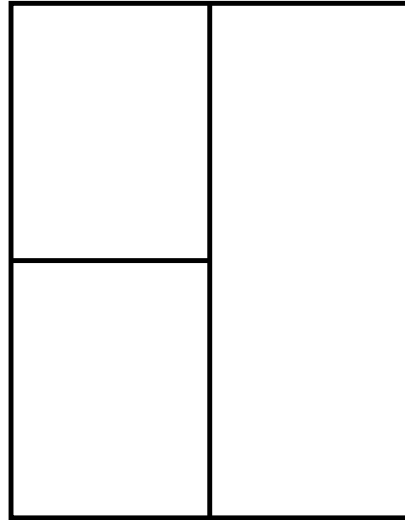
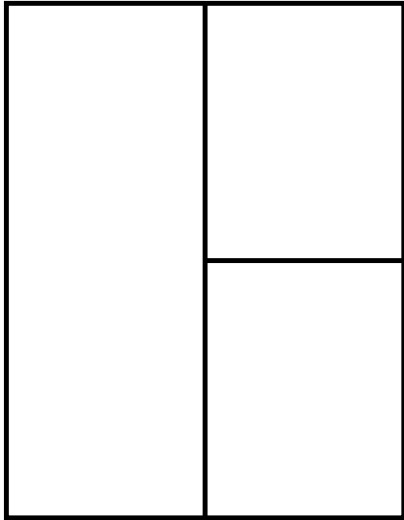
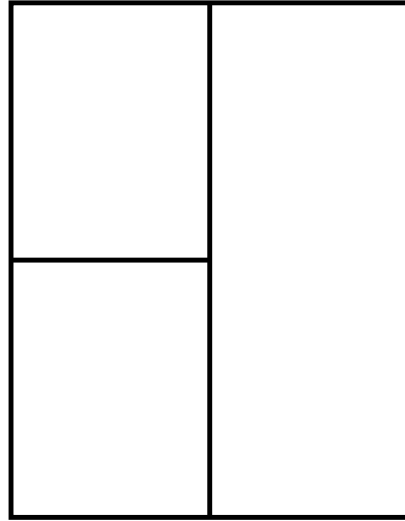
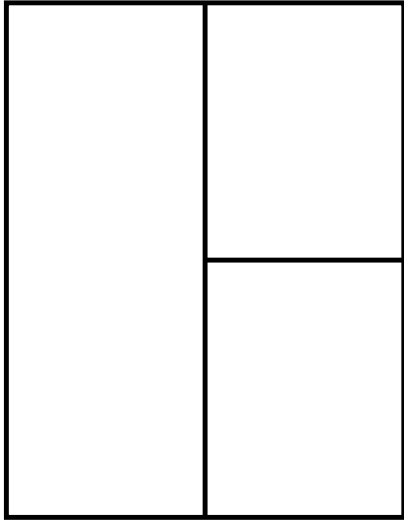
# Addition Mat

<b>Whole</b>	
<b>Part</b>	<b>Part</b>

$$\begin{array}{c} \square \\ + \\ \square \\ = \\ \square \end{array} \quad \begin{array}{c} \square \\ - \\ \square \\ = \\ \square \end{array}$$

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>

# Part-Part-Whole Mats



**Player 2**

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

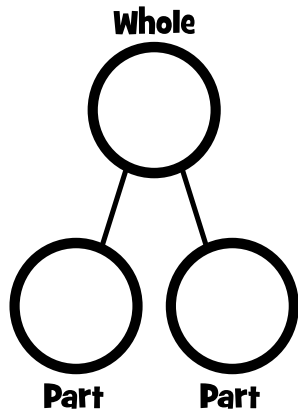
**Make That Number**

Players roll the dice and the player with the highest sum starts. Players take turns rolling the dice and adding or subtracting to cover up a number on their board. Whoever covers up all their numbers wins. If you cannot go you must skip a turn.

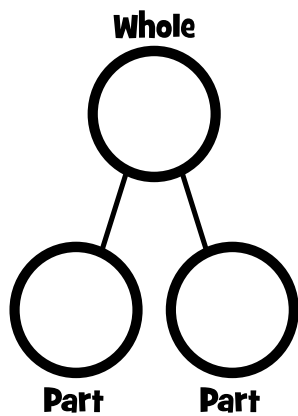
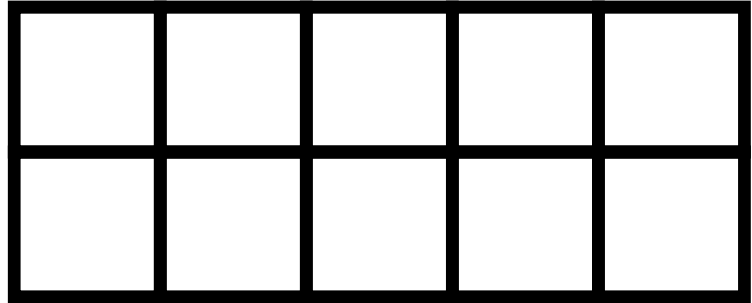
1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

**Player 1**

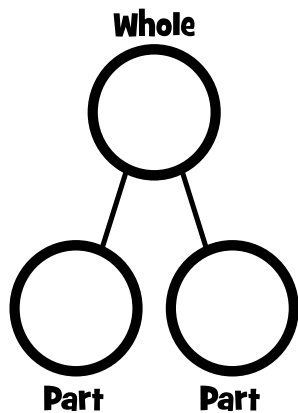
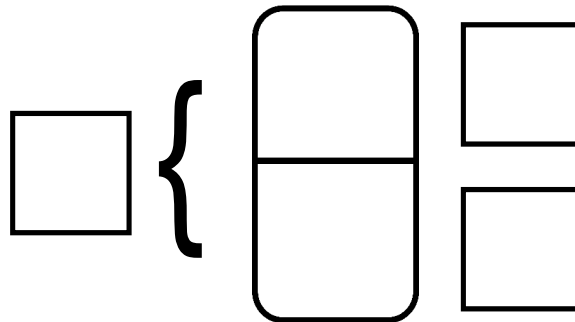
# Number Bonds



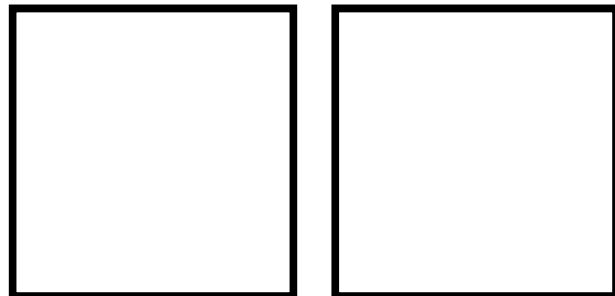
## Ten Frame



## Domino



## Fingers

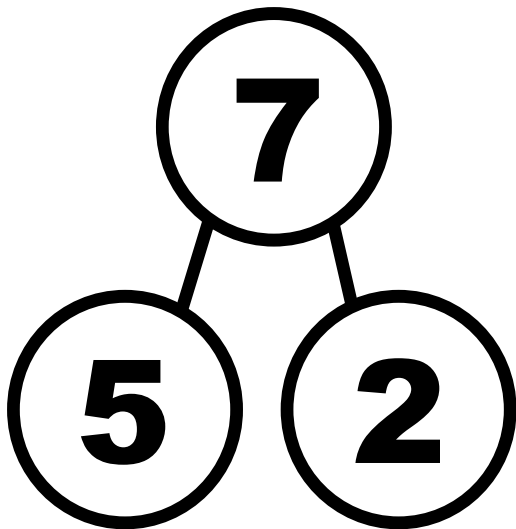


## Equations

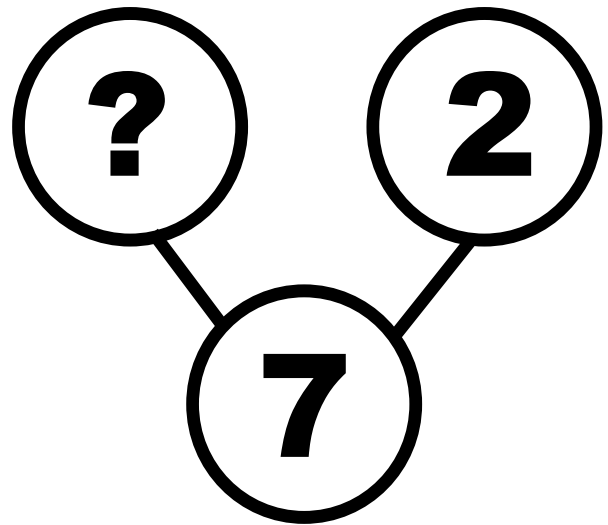
$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

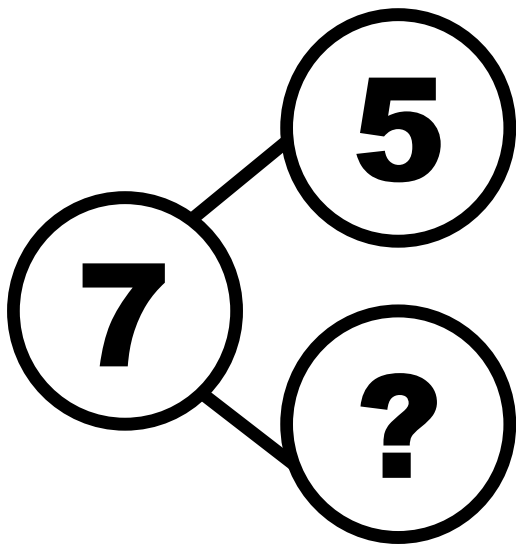
# Missing Number Number Bonds



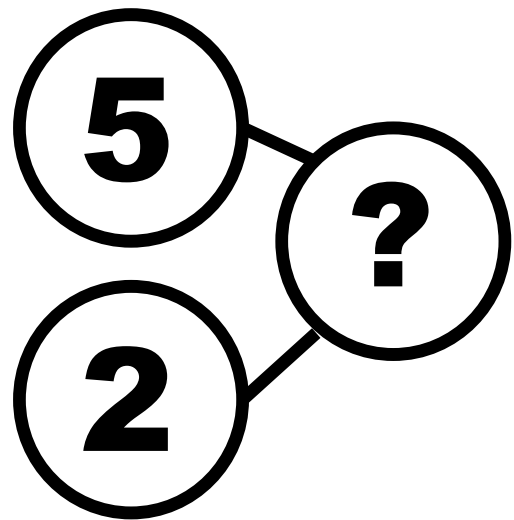
$$7 = 5 + 2$$



$$\square + 2 = 7$$



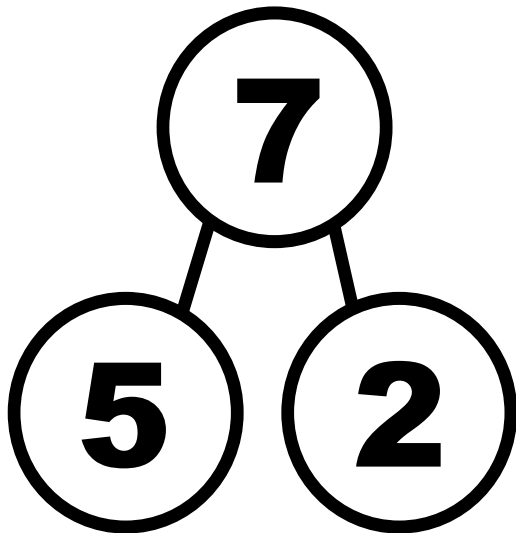
$$7 = 5 + \square$$



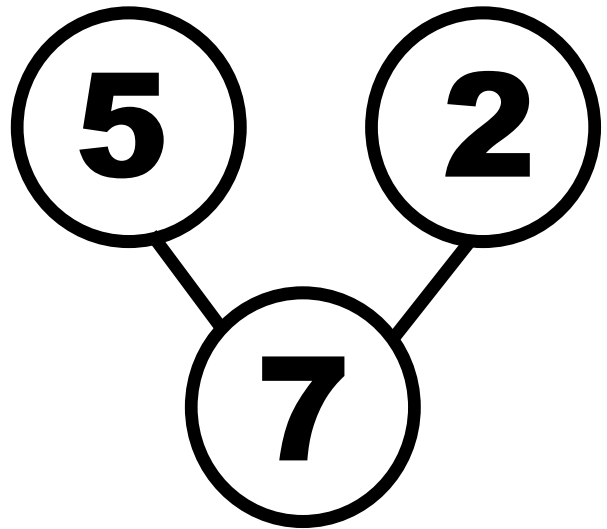
$$5 + 2 = \square$$

**Number Bonds show us the parts and  
the whole of a number.  
They are a type of diagram.**

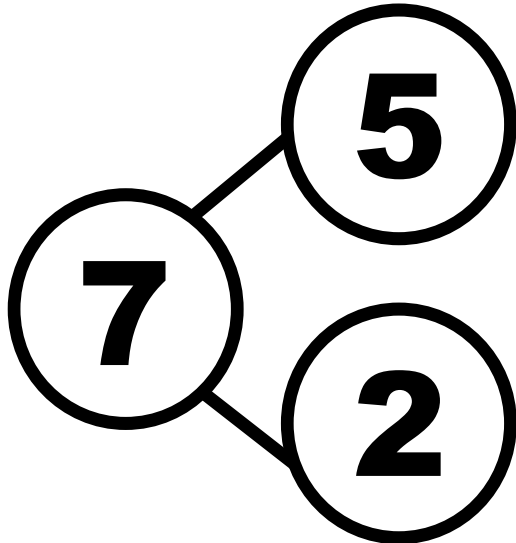
# Number Bonds



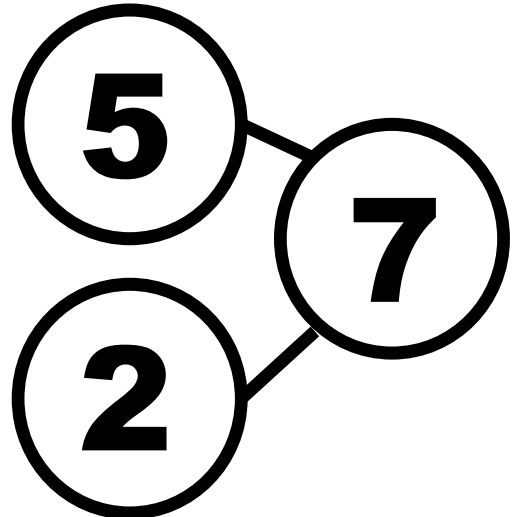
$$7 = 5 + 2$$



$$5 + 2 = 7$$



$$7 = 5 + 2$$

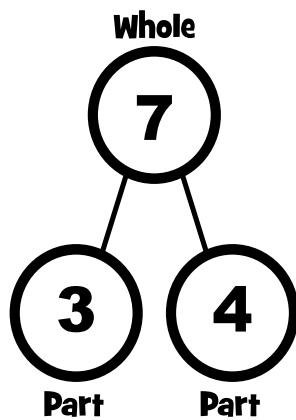


$$5 + 2 = 7$$

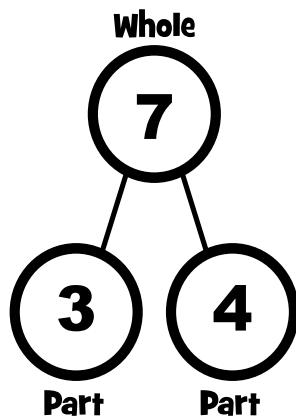
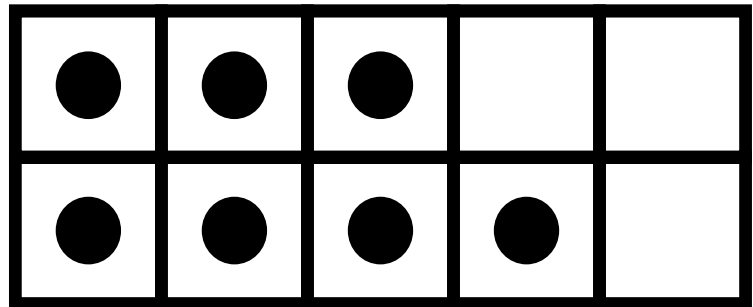
**Number Bonds show us the parts and the whole of a number. They are a type of diagram.**



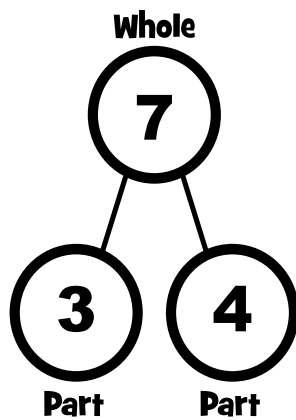
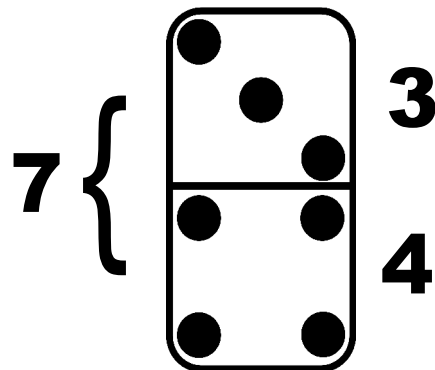
# Number Bonds



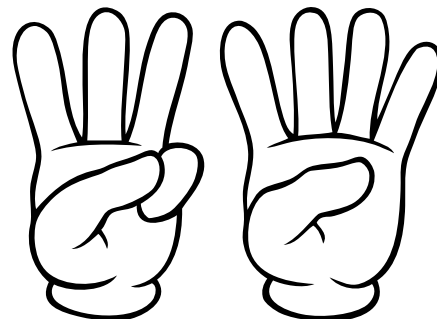
## Ten Frame



## Domino



## Fingers

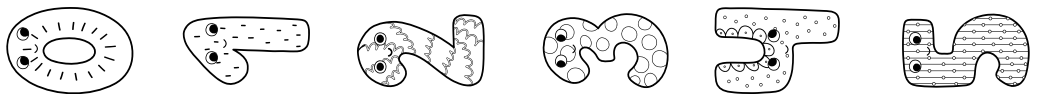
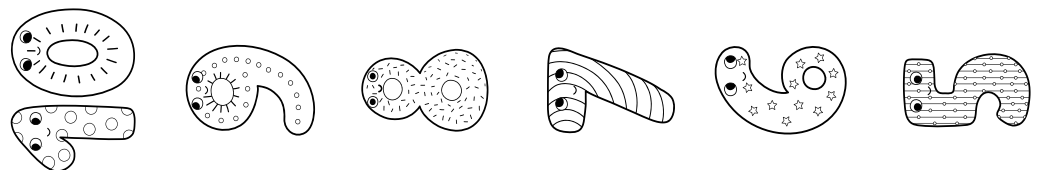
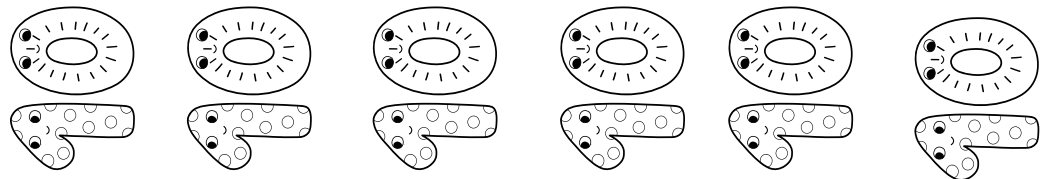
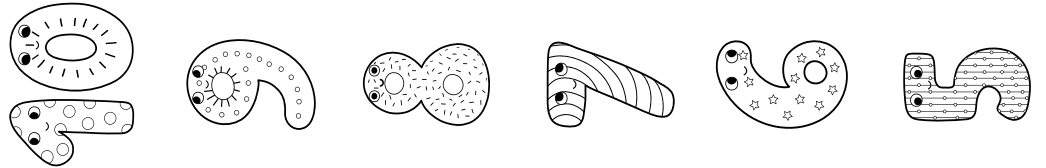
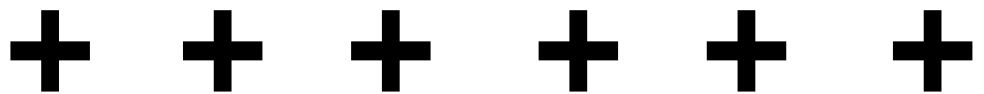
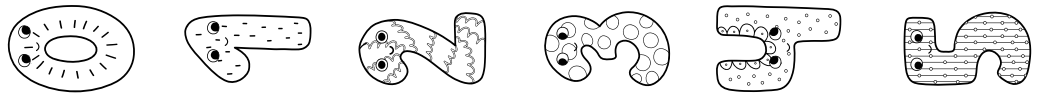
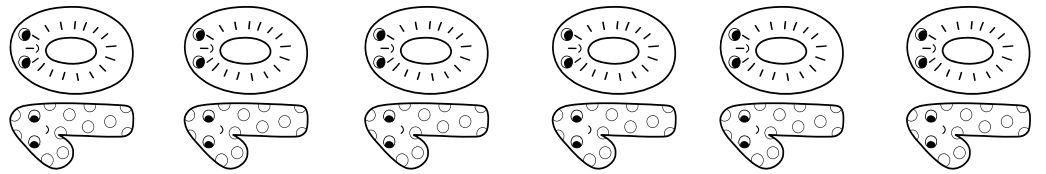
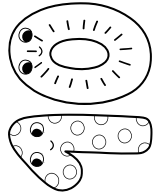


## Equations

$$7 = 4 + 3$$

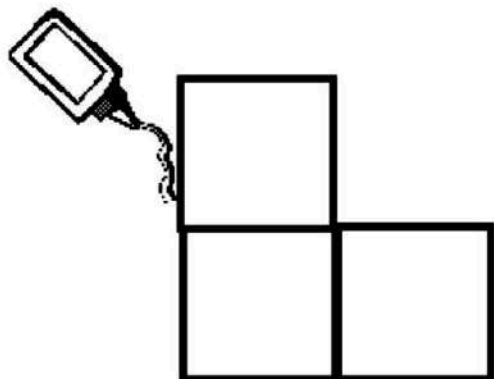
$$3 + 4 = 7$$

# FRIENDS OF

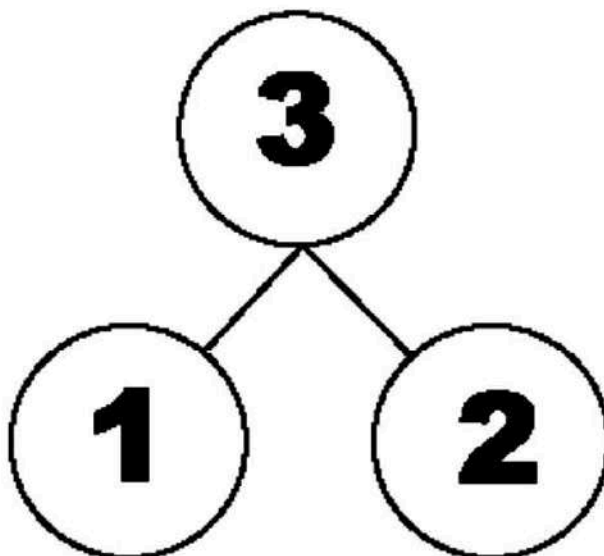
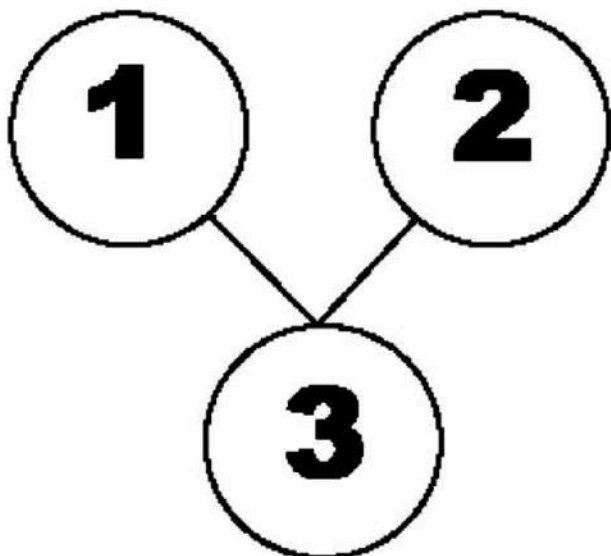
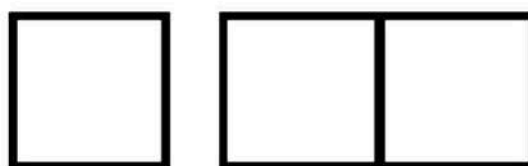
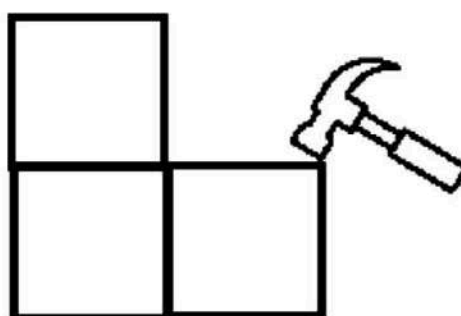


# Composing and Decomposing

**COMPOSE**

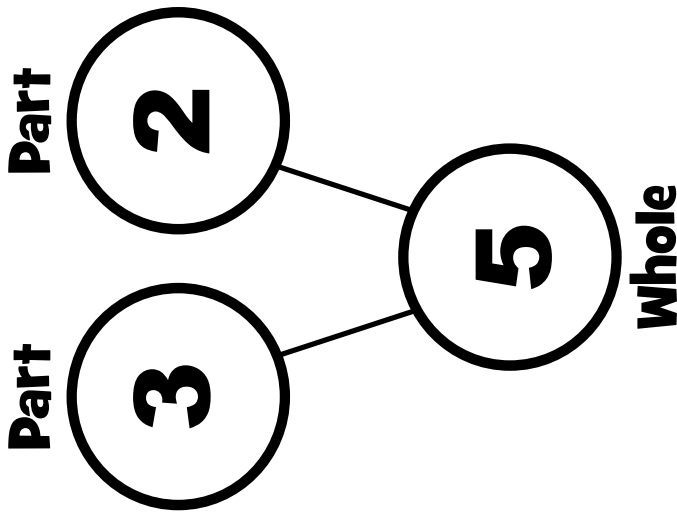


**DECOMPOSE**



# Composing Numbers

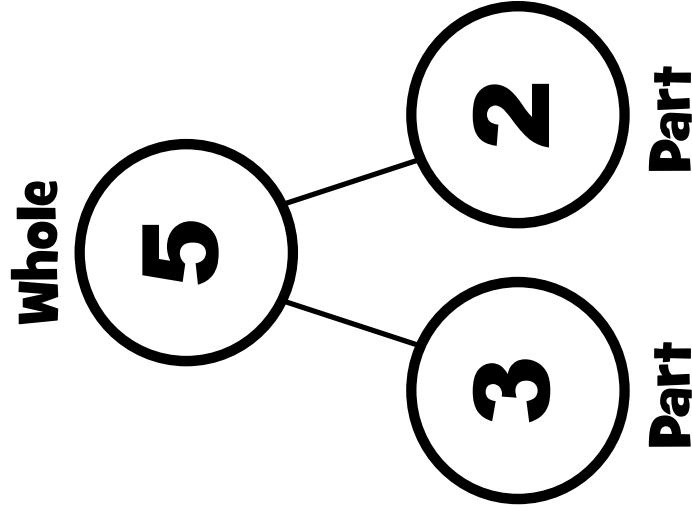
Putting parts together to make a whole.



$$3 + 2 = 5$$

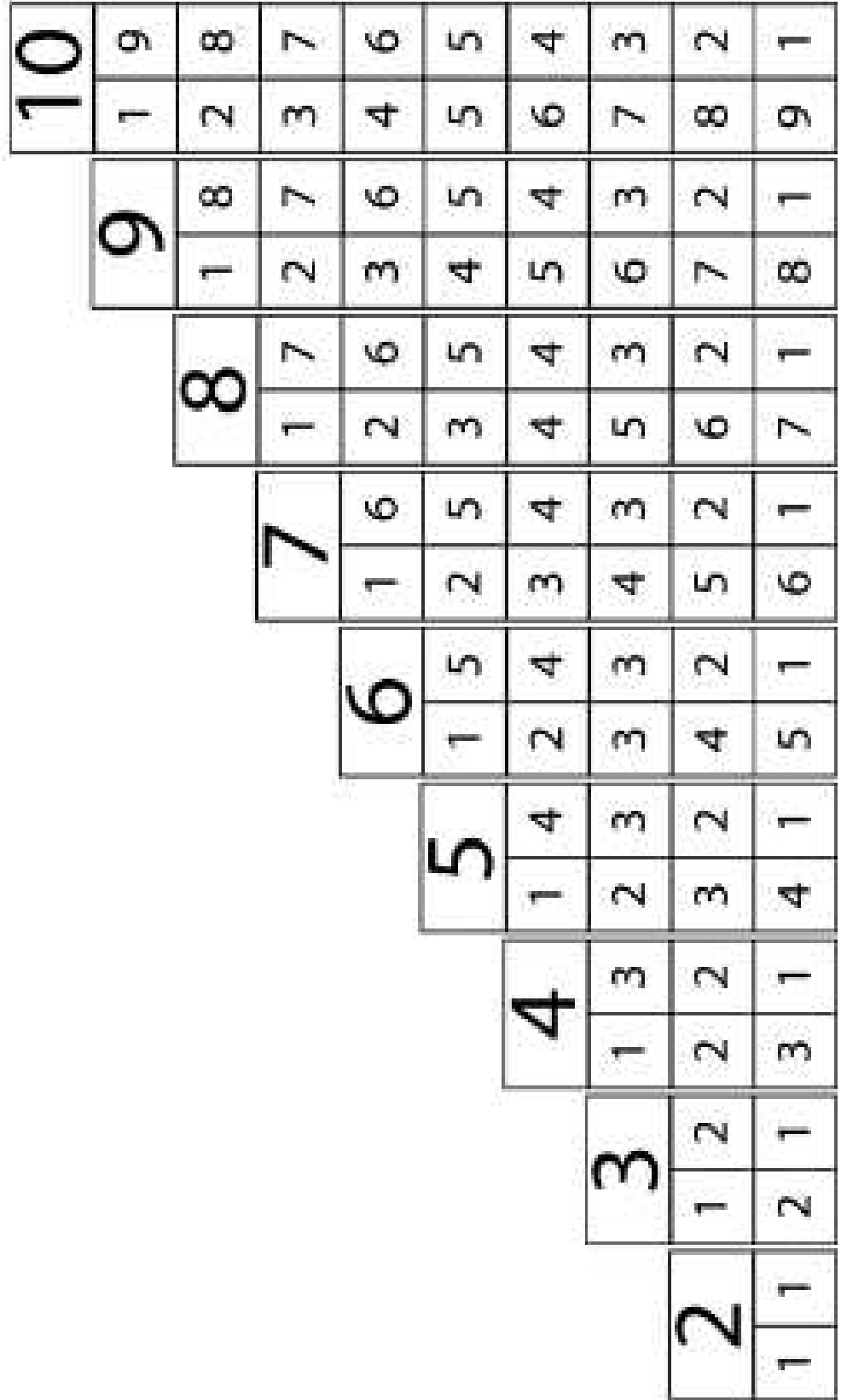
# Decomposing Numbers

Taking the whole and making it into parts.



$$5 = 3 + 2$$

# NUMBER STAIRCASE



# COLORING 10

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

$$\begin{array}{r} + \\ \hline \hline \end{array}$$

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

$$\begin{array}{r} + \\ \hline \hline \end{array}$$

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$$\begin{array}{r} + \\ \hline \hline \end{array}$$

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

$$\begin{array}{r} + \\ \hline \hline \end{array}$$

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$$\begin{array}{r} + \\ \hline \hline \end{array}$$

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$$\begin{array}{r} + \\ \hline \hline \end{array}$$

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$$\begin{array}{r} + \\ \hline \hline \end{array}$$

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$$\begin{array}{r} + \\ \hline \hline \end{array}$$

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$$\begin{array}{r} + \\ \hline \hline \end{array}$$

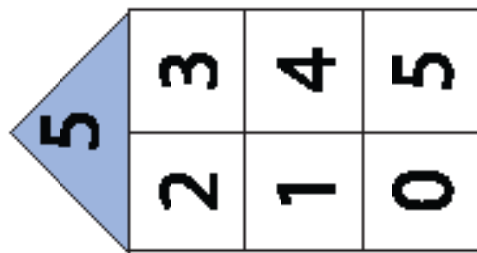
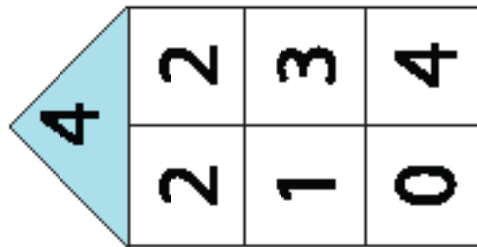
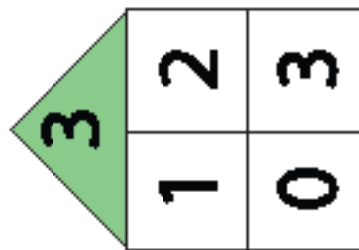
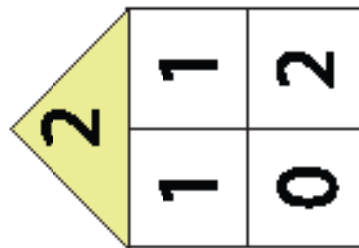
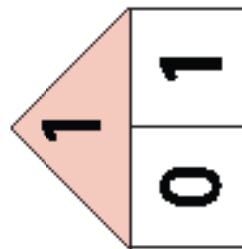
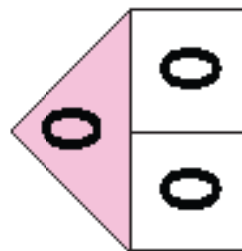
--	--	--	--	--	--	--	--	--	--

$$\begin{array}{r} + \\ \hline \hline \end{array}$$

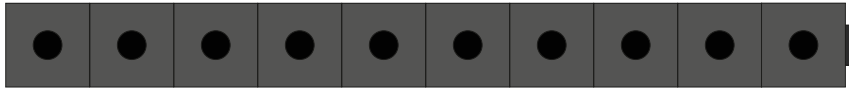
--	--	--	--	--	--	--	--	--	--

$$\begin{array}{r} + \\ \hline \hline \end{array}$$

# NUMBER HOUSES



# MAKE 10



$10+0=$



$9+1=$



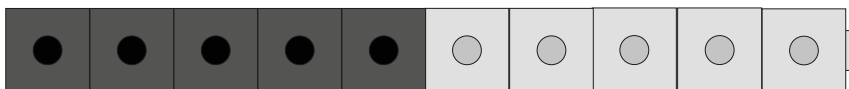
$8+2=$



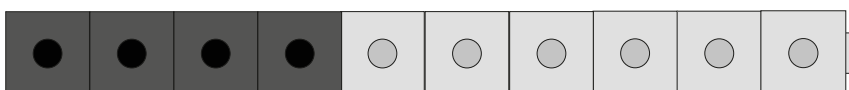
$7+3=$



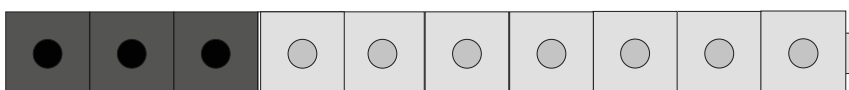
$6+4=$



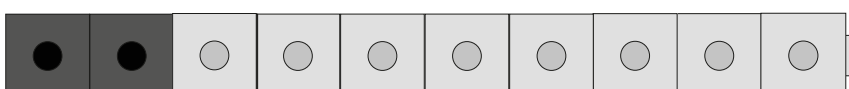
$5+5=$



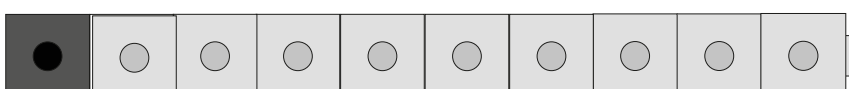
$4+6=$



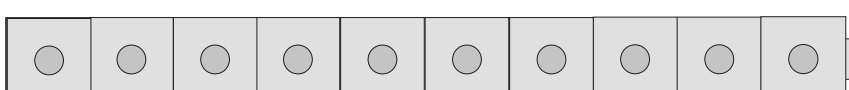
$3+7=$



$2+8=$



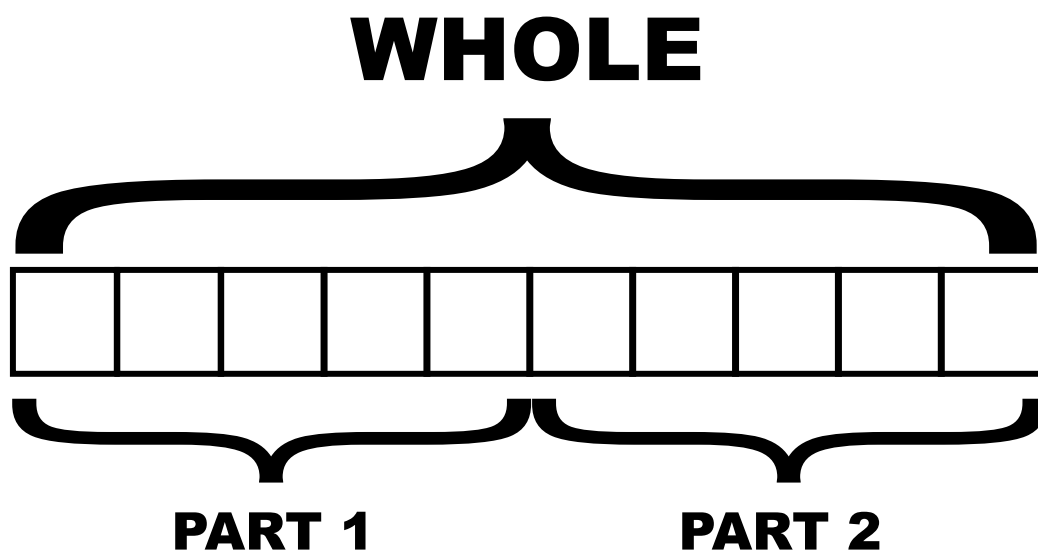
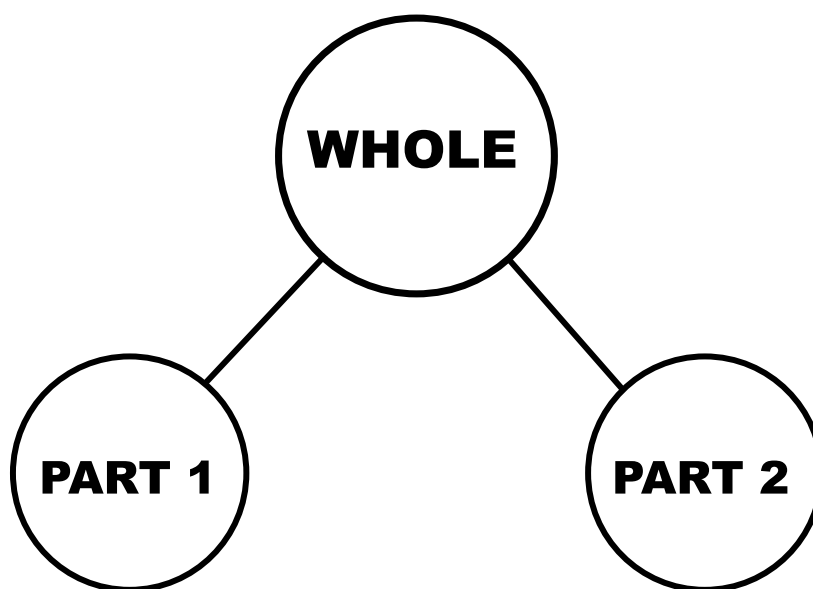
$1+9=$



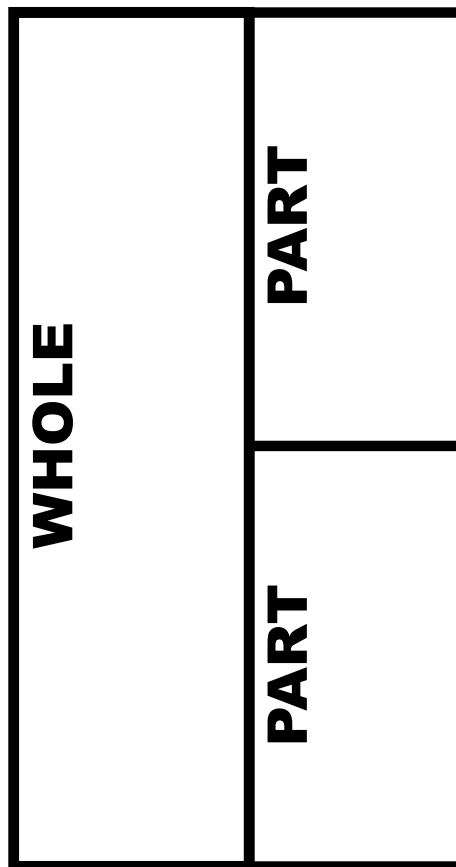
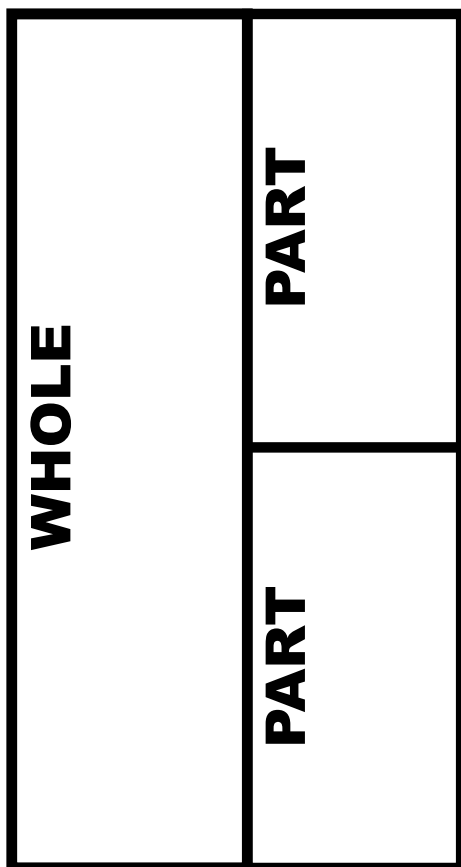
$0+10=$



# PART PART WHOLE



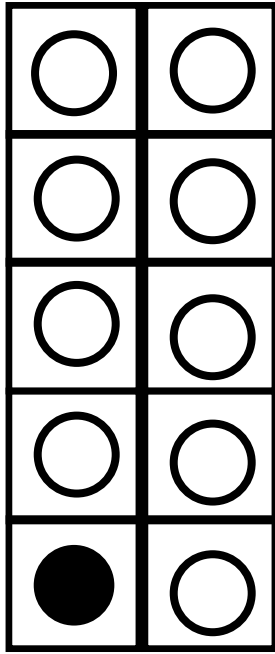
# PART PART WHOLE MATS



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

# ADDING WITHIN 10 (10 FRAMES)

$$1 + 9$$

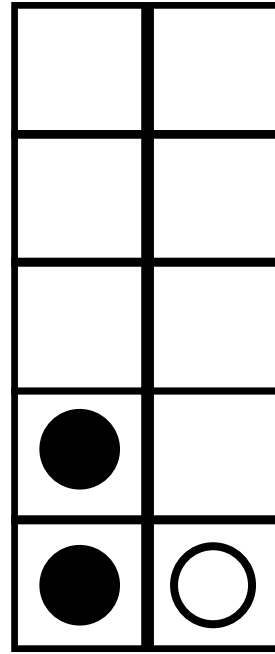


www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

$$2 + 1$$



www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$1 + 1$$

●	○				

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

$$1 + 2$$

●	○				

www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$1 + 3$$

●				
○	○	○		

www.mathfactfluencyplayground.com

# 4

www.mathfactfluencyplayground.com

$$1 + 4$$

●				
○	○	○	○	○

www.mathfactfluencyplayground.com

# 5

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$1 + 5$$

●					
○	○	○	○	○	○

www.mathfactfluencyplayground.com

6

www.mathfactfluencyplayground.com

$$1 + 6$$

●					
○	○	○	○	○	○

www.mathfactfluencyplayground.com

7

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$1 + 7$$

●	○	○	○	○	
○	○	○	○		

www.mathfactfluencyplayground.com

8

www.mathfactfluencyplayground.com

$$1 + 8$$

●	○	○	○	○	○
○	○	○	○		

www.mathfactfluencyplayground.com

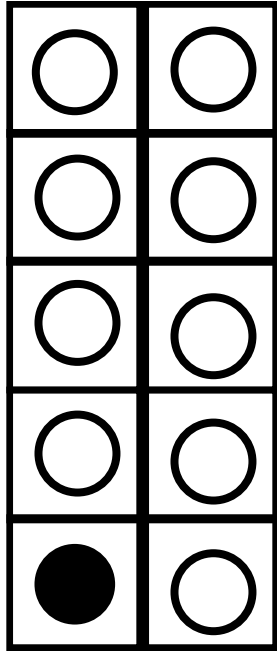
9

www.mathfactfluencyplayground.com

# ADDING WITHIN 10 (10 FRAMES)



$$1 + 9$$

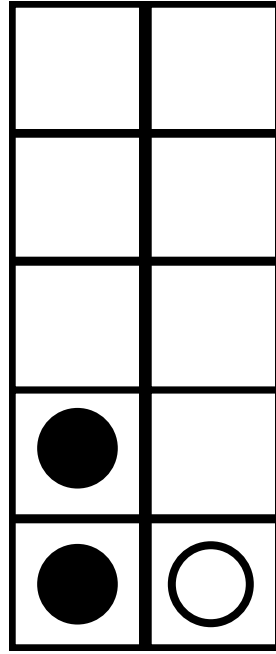


www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

$$2 + 1$$



www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

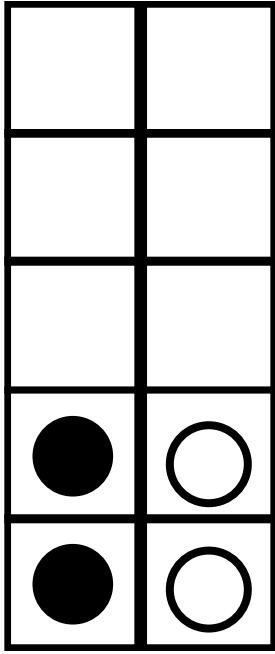


Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$2 + 2$$

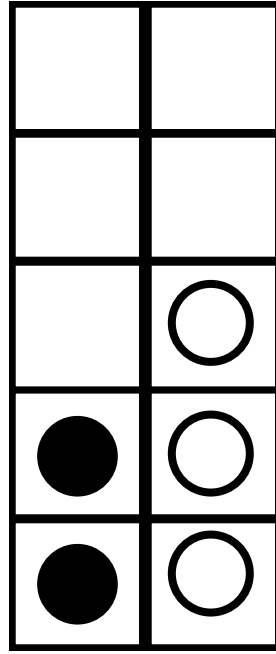


www.mathfactfluencyplayground.com

# 4

www.mathfactfluencyplayground.com

$$2 + 3$$



www.mathfactfluencyplayground.com

# 5

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$2 + 4$$

●	●		
○	○	○	○

www.mathfactfluencyplayground.com

6

www.mathfactfluencyplayground.com

$$2 + 5$$

●	●		
○	○	○	○

www.mathfactfluencyplayground.com

7

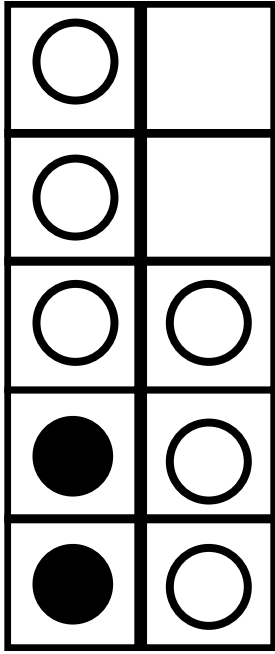
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$2 + 6$$

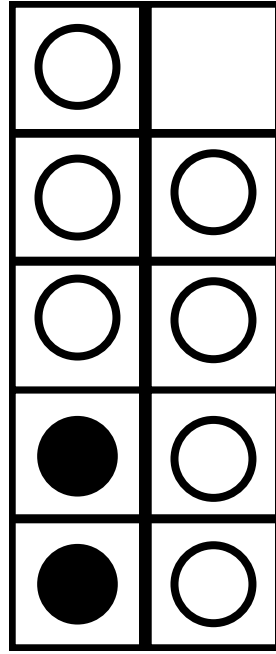


www.mathfactfluencyplayground.com

8

www.mathfactfluencyplayground.com

$$2 + 7$$



www.mathfactfluencyplayground.com

9

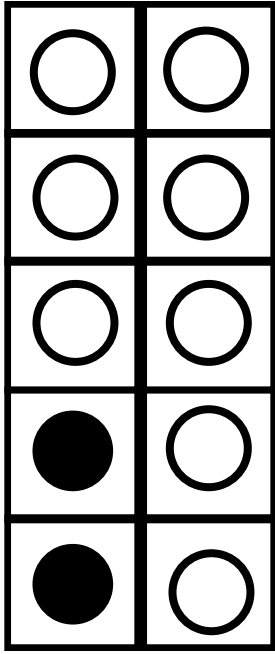
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$2 + 8$$

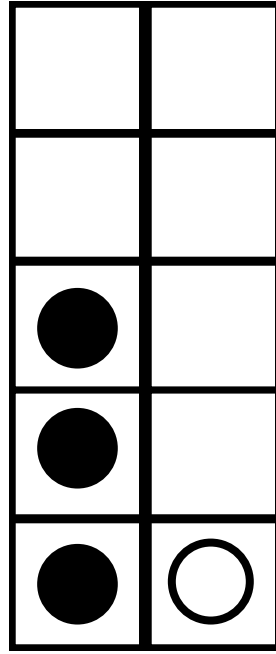


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10

www.mathfactfluencyplayground.com

$$3 + 1$$



www.mathfactfluencyplayground.com

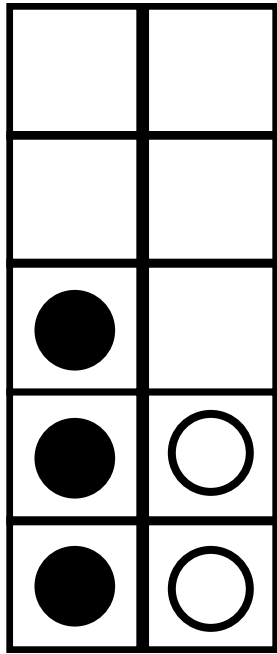
4

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# ADDING WITHIN 10 (10 FRAMES)



$$3 + 2$$

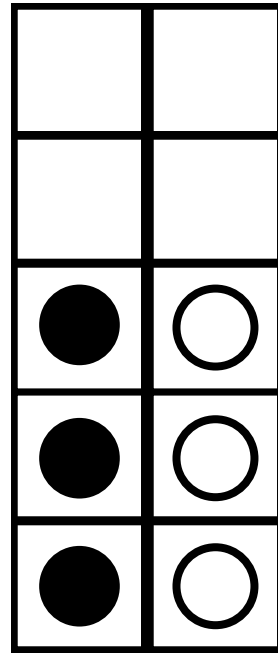


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5

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$$3 + 3$$



www.mathfactfluencyplayground.com

6

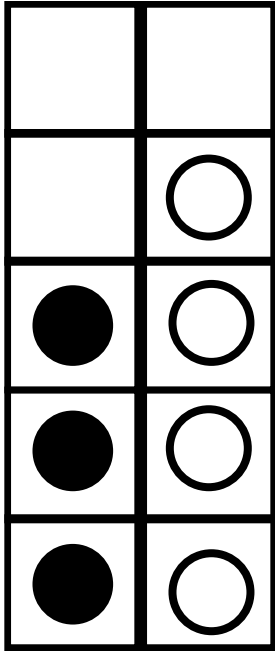
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$3 + 4$$

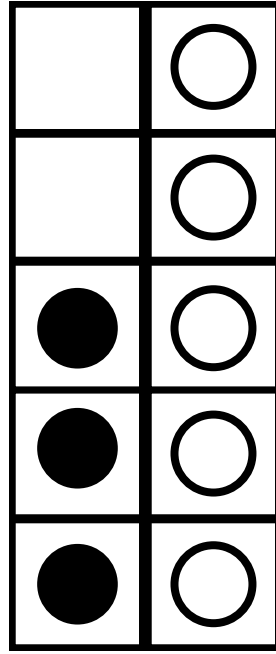


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# 7

www.mathfactfluencyplayground.com

$$3 + 5$$



www.mathfactfluencyplayground.com

# 8

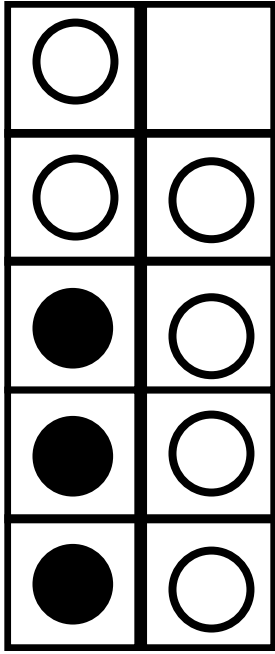
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$3 + 6$$

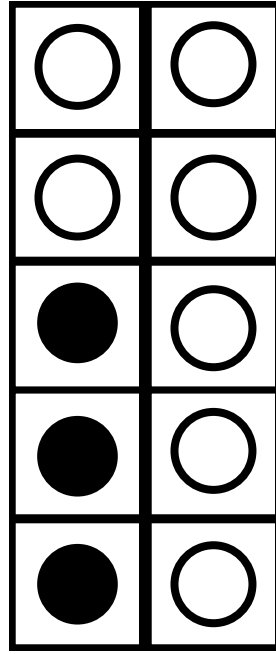


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9

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$$3 + 7$$



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10

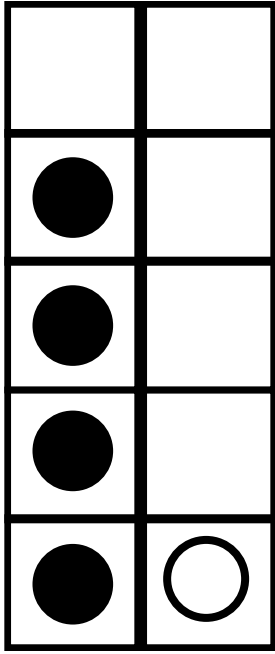
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$4 + 1$$

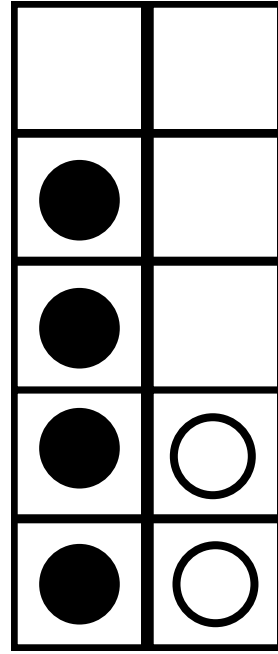


www.mathfactfluencyplayground.com

# 5

www.mathfactfluencyplayground.com

$$4 + 2$$



www.mathfactfluencyplayground.com

# 6

www.mathfactfluencyplayground.com

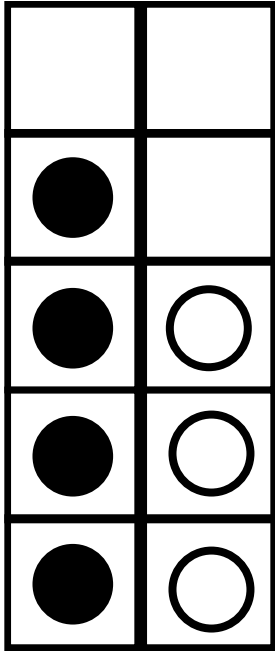


Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$4 + 3$$

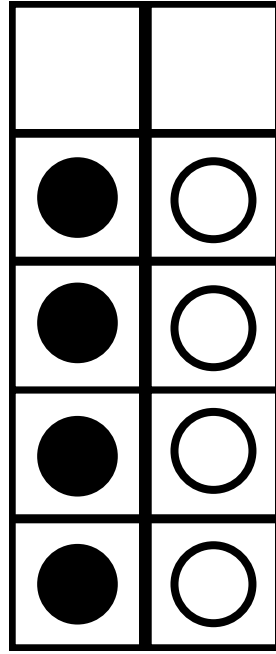


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# 7

www.mathfactfluencyplayground.com

$$4 + 4$$



www.mathfactfluencyplayground.com

# 8

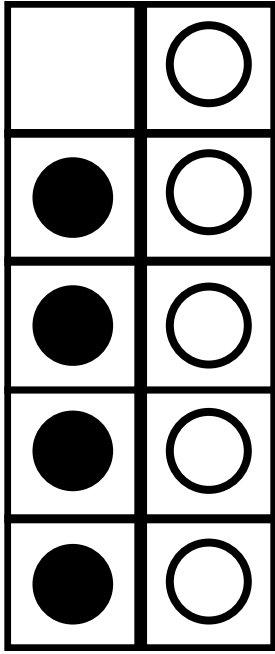
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$4 + 5$$

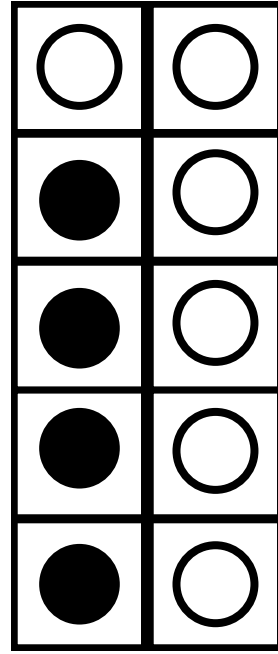


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9

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$$4 + 6$$



www.mathfactfluencyplayground.com

10

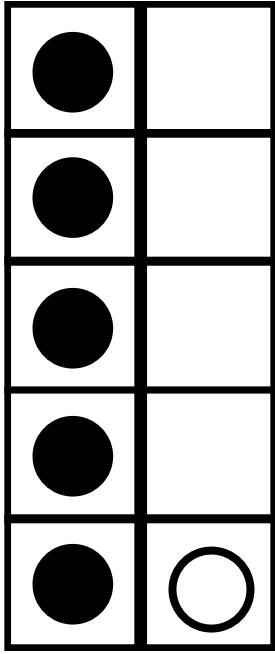
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$5 + 1$$

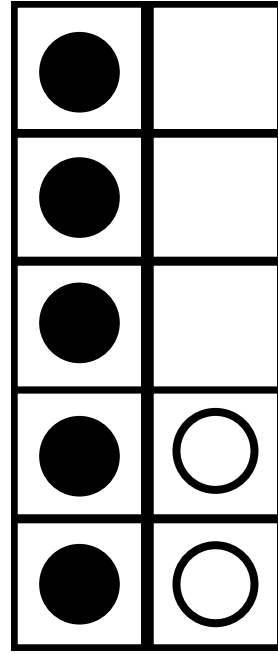


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6

www.mathfactfluencyplayground.com

$$5 + 2$$



www.mathfactfluencyplayground.com

7

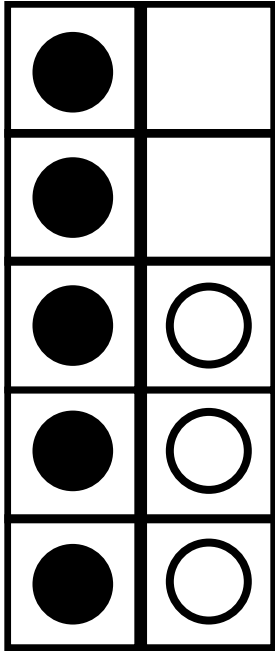
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$5 + 3$$

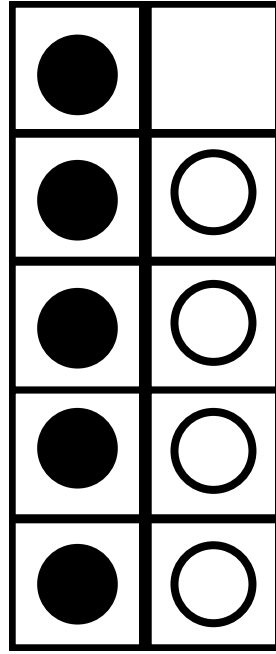


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8

www.mathfactfluencyplayground.com

$$5 + 4$$



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9

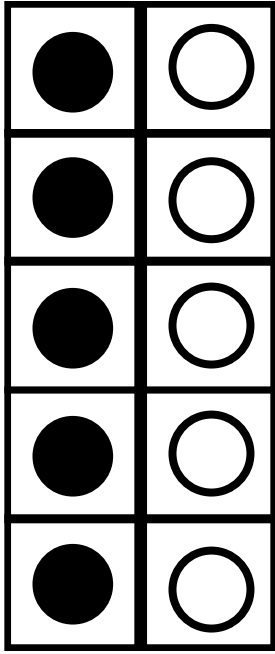
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$5 + 5$$

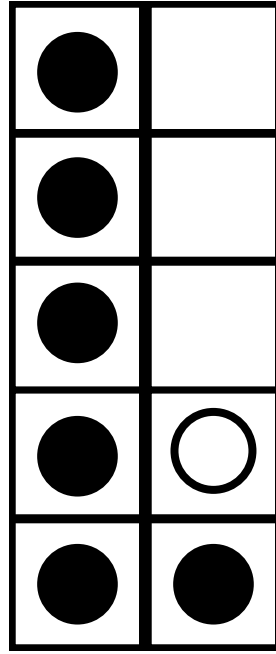


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10

www.mathfactfluencyplayground.com

$$6 + 1$$



www.mathfactfluencyplayground.com

7

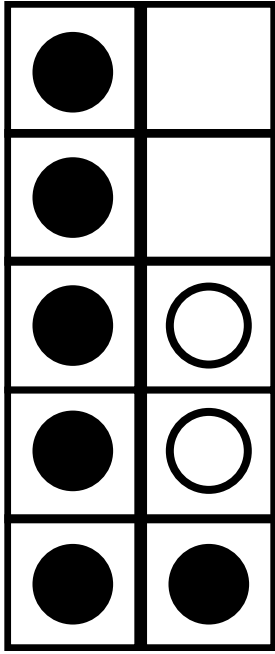
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Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$6 + 2$$

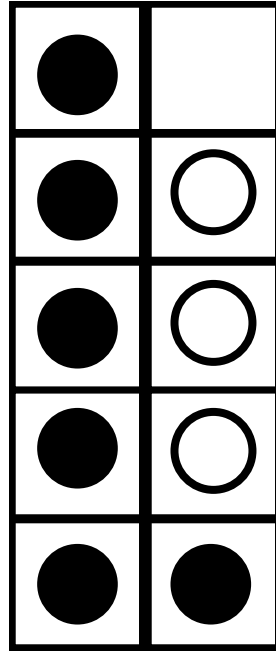


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8

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$$6 + 3$$



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9

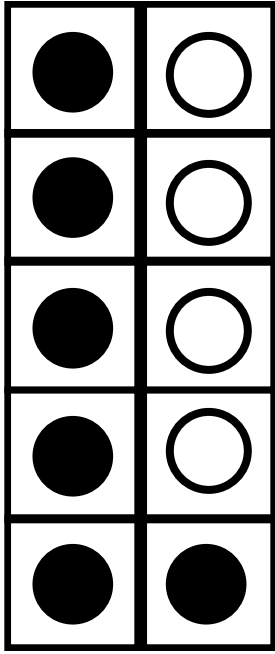
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$6 + 4$$

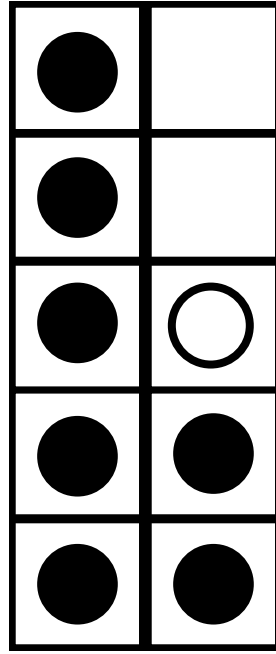


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10

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$$7 + 1$$



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8

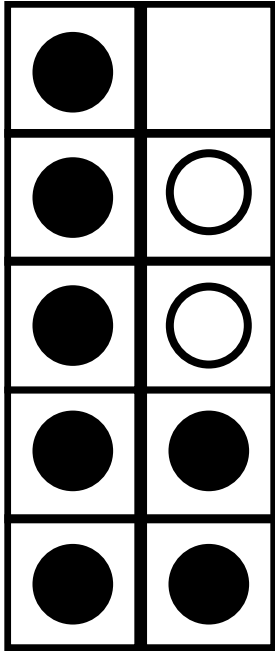
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$7 + 2$$

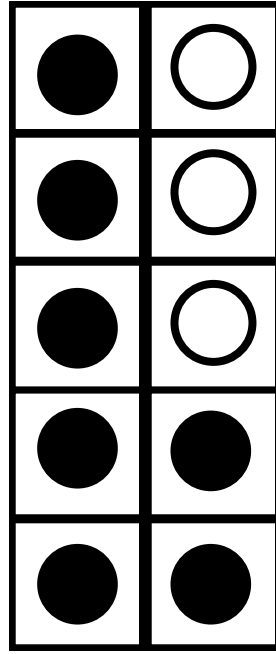


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9

www.mathfactfluencyplayground.com

$$7 + 3$$



www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

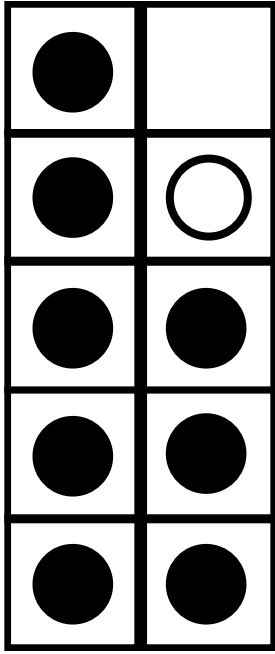


Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$8 + 1$$

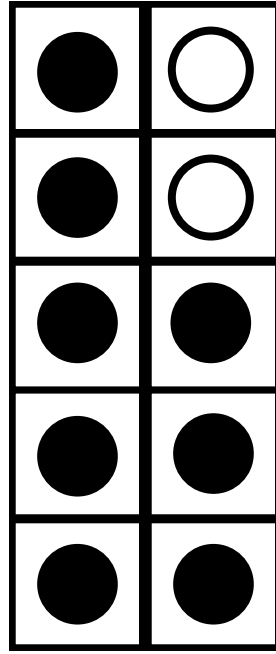


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9

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$$8 + 2$$



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10

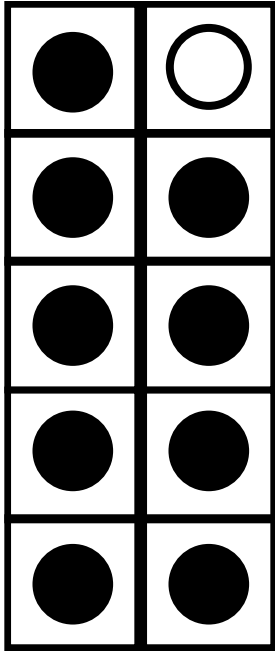
www.mathfactfluencyplayground.com

Cut, fold and glue back to back

# ADDING WITHIN 10 (10 FRAMES)



$$9 + 1$$

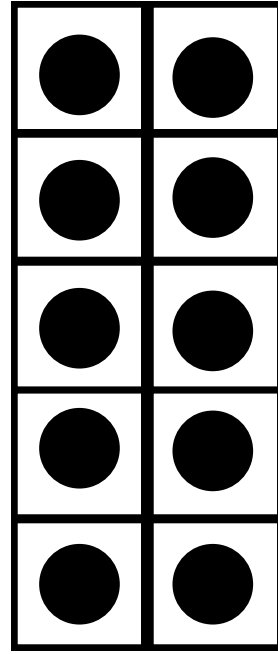


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10

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$$10 + 0$$



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10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

Cut, fold and glue back to back

# MISSING NUMBERS TO 10



$$4 + ? = 8$$



0 1 2 3 4 5 6 7 8 9 10

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# 4

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$4 + ? = 7$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# 3

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$8 + ? = 10$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

2

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$2 + ? = 6$$



0 1 2 3 4 5 6 7 8 9 10

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4

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# MISSING NUMBERS TO 10



$$1 + ? = 4$$



0 1 2 3 4 5 6 7 8 9 10

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3

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$2 + ? = 5$$



0 1 2 3 4 5 6 7 8 9 10

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3

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$7 + ? = 9$$



0 1 2 3 4 5 6 7 8 9 10

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2

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$6 + ? = 10$$



0 1 2 3 4 5 6 7 8 9 10

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4

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$2 + ? = 8$$



0 1 2 3 4 5 6 7 8 9 10

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6

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$5 + ? = 10$$



0 1 2 3 4 5 6 7 8 9 10

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5

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$3 + ? = 6$$



0 1 2 3 4 5 6 7 8 9 10

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3

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*\*Look for doubles and make ten facts first*

$$5 + ? = 7$$



0 1 2 3 4 5 6 7 8 9 10

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2

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

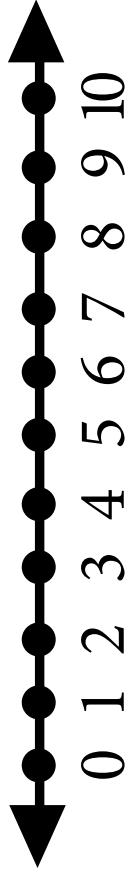


Cut, fold and glue back to back

# MISSING NUMBERS TO 10



$$2 + ? = 4$$



0 1 2 3 4 5 6 7 8 9 10

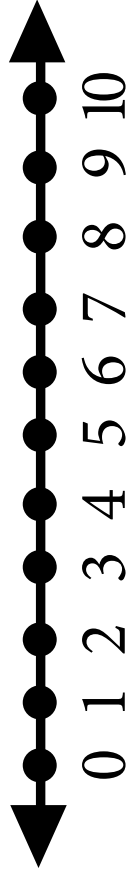
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[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



*\*Look for doubles and make ten facts first*

$$4 + ? = 5$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$3 + ? = 4$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



*\*Look for doubles and make ten facts first*

$$4 + ? = 6$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$3 + ? = 5$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

2

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



*\*Look for doubles and make ten facts first*

$$2 + ? = 9$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

7

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$5 + ? = 8$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

3

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



*\*Look for doubles and make ten facts first*

$$3 + ? = 9$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

6

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$2 + ? = 10$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

8



*\*Look for doubles and make ten facts first*

$$4 + ? = 10$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

6

# MISSING NUMBERS TO 10



$$3 + ? = 7$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

4

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



*\*Look for doubles and make ten facts first*

$$1 + ? = 5$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

4

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$6 + ? = 9$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$3 + ? = 8$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



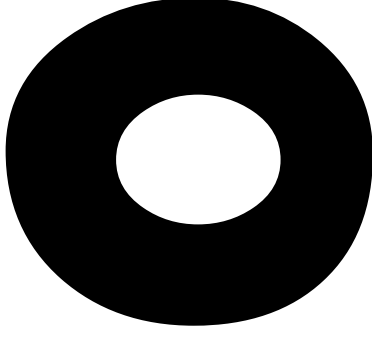
$$1 + ? = 1$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

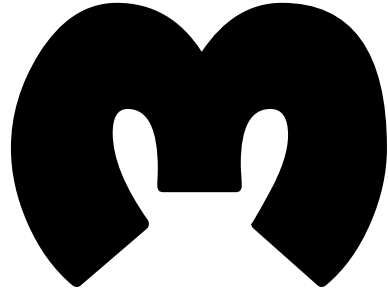
$$7 + ? = 10$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

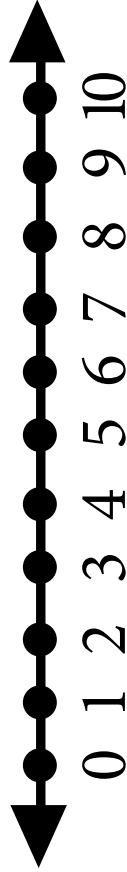




# MISSING NUMBERS TO 10



$$5 + ? = 5$$



0 1 2 3 4 5 6 7 8 9 10

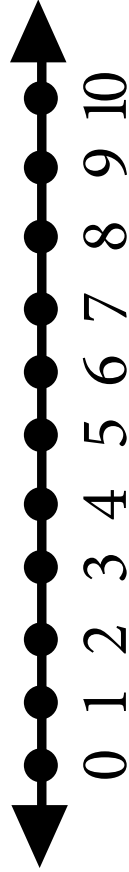
[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$1 + ? = 2$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$6 + ? = 8$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

2

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$0 + ? = 5$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

5

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10

$$0 + ? = 0$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

0

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

**\*Look for doubles and make ten facts first**

$$1 + ? = 3$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

2

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# MISSING NUMBERS TO 10



$$0 + ? = 1$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



**\*Look for doubles and make ten facts first**

$$2 + ? = 3$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)



# MISSING NUMBERS TO 10



$$2 + ? = 7$$



0 1 2 3 4 5 6 7 8 9 10

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

5

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)

# NUMBERS 0 TO 10

0

1

6

2

7

3

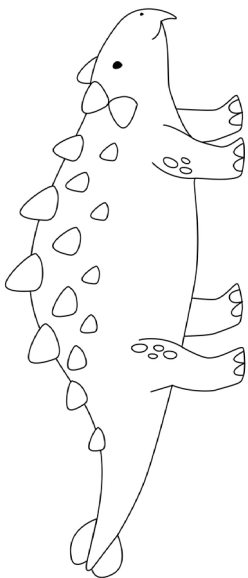
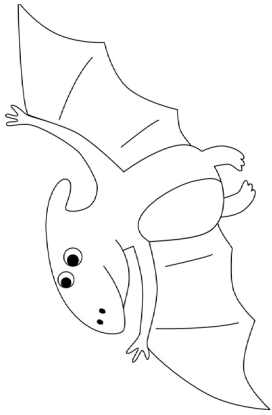
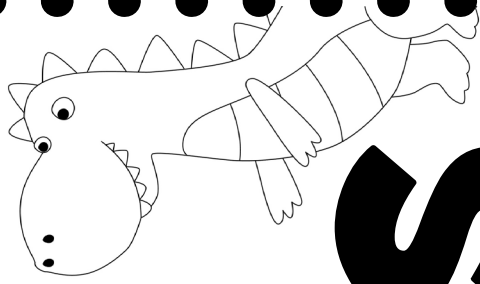
8

4

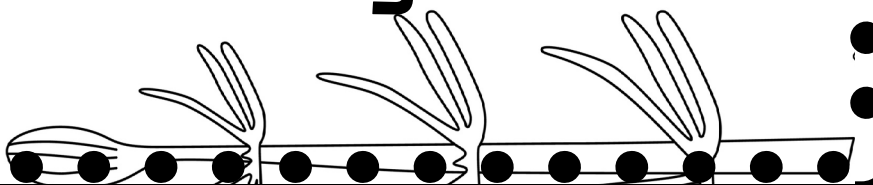
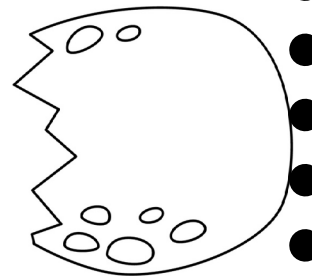
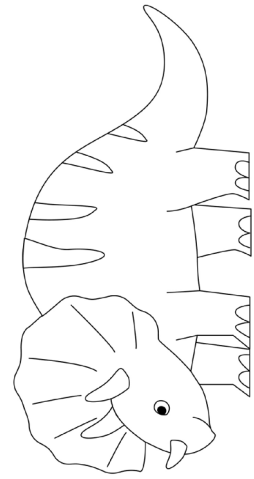
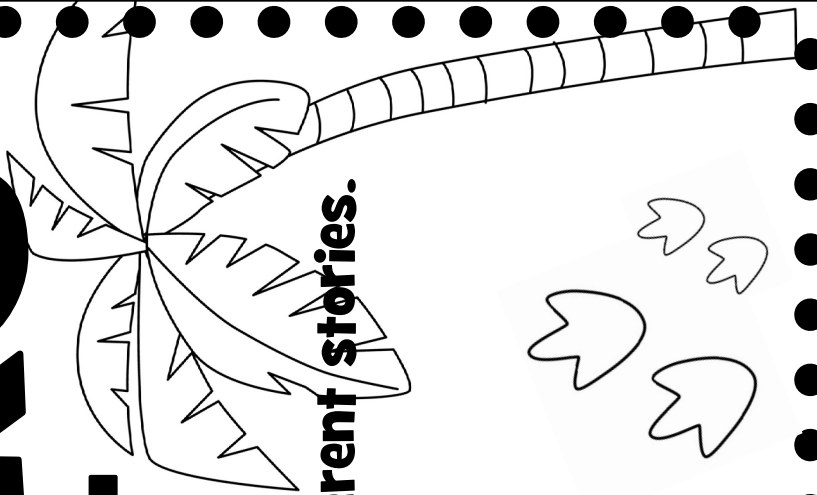
9

5

10



# DINOSAURS STORY MAT



Use these story mats to make up and tell different stories.

**BY: DR NICKI NEWTON**











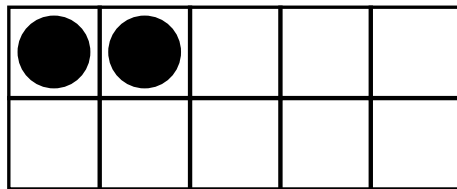
**ONE**



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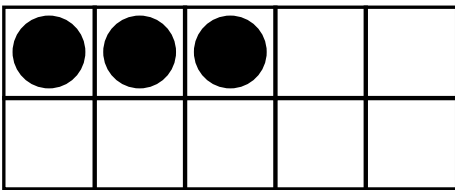
**TWO**



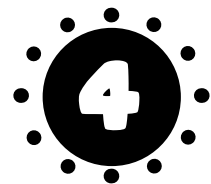
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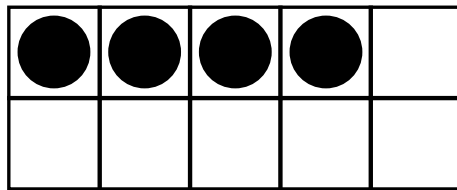
**THREE**



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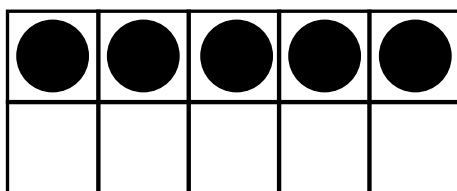
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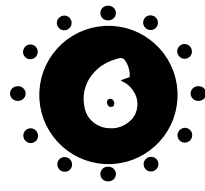
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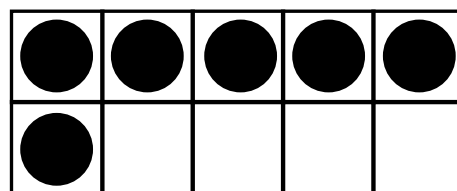
**FIVE**



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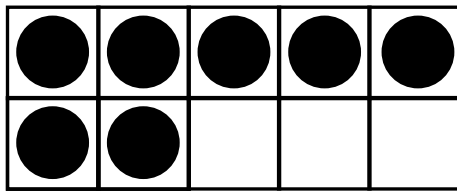
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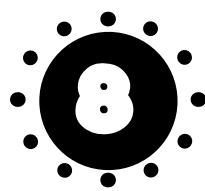
www.drnickinewton.com



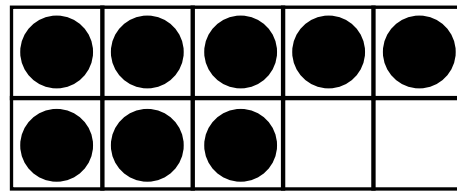
**SEVEN**



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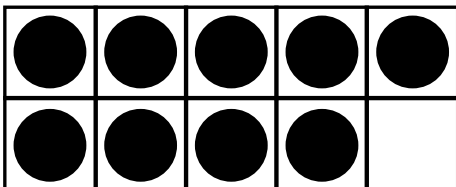
**EIGHT**



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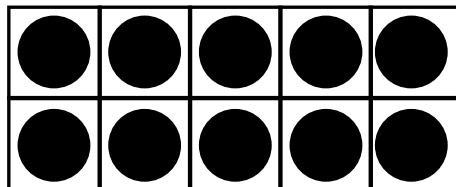
**NINE**



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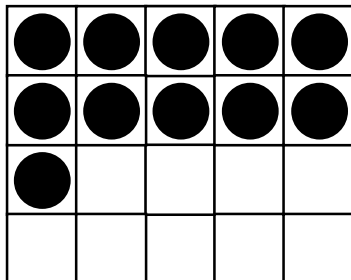
**TEN**



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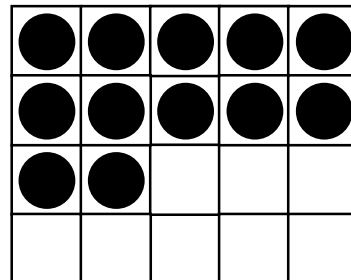
**ELEVEN**



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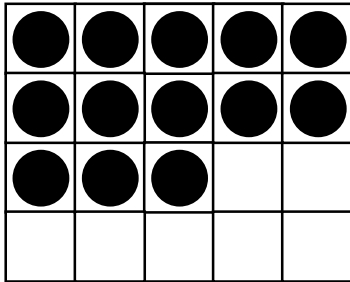
**TWELVE**



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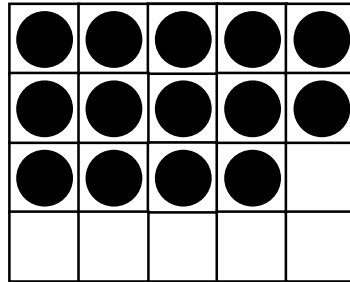
**THIRTEEN**



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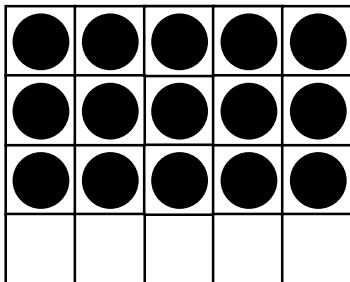
**FOURTEEN**



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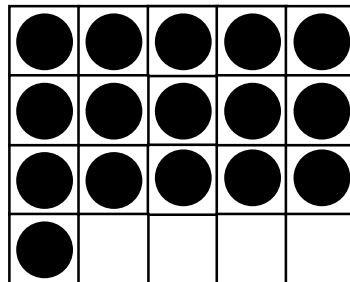
**FIFTEEN**



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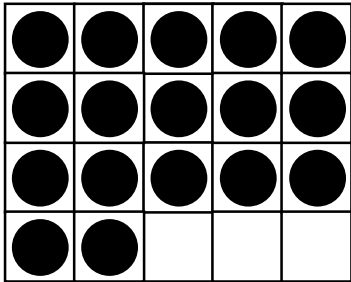
**SIXTEEN**



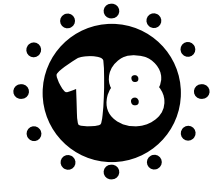
www.drnickinewton.com



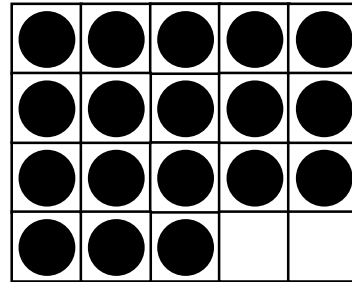
**SEVENTEEN**



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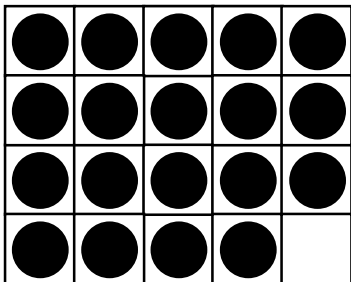
**EIGHTEEN**



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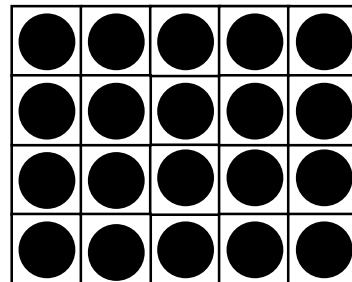
**NINETEEN**



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**TWENTY**

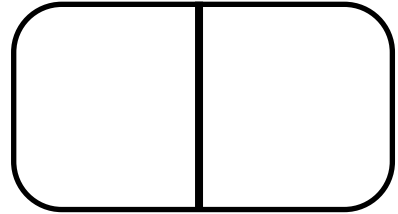
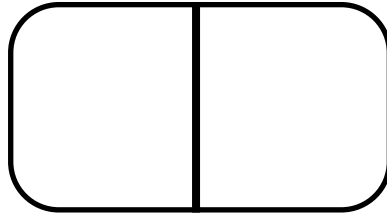
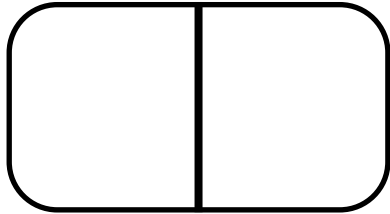


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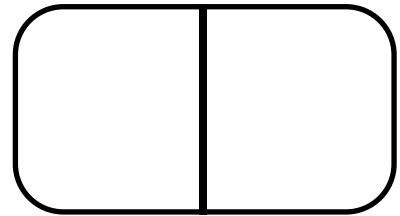
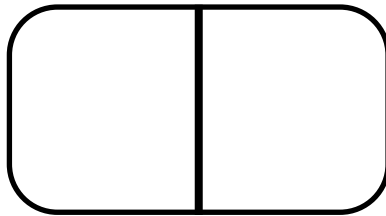
## Recording Sheet

# Domino Facts

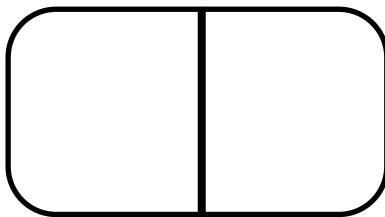
Pick a domino. Draw it and write the equation.



\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_



\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

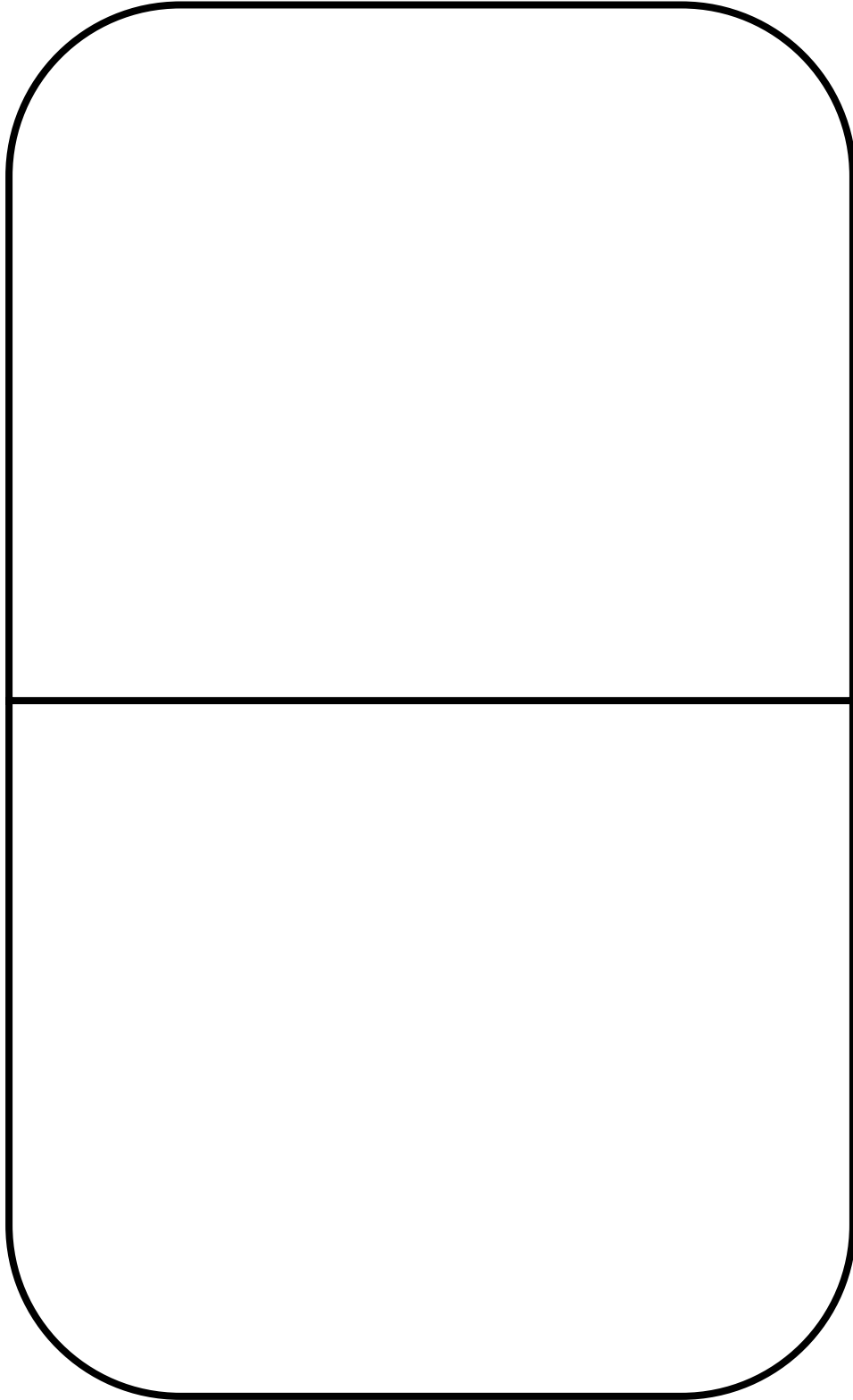


\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

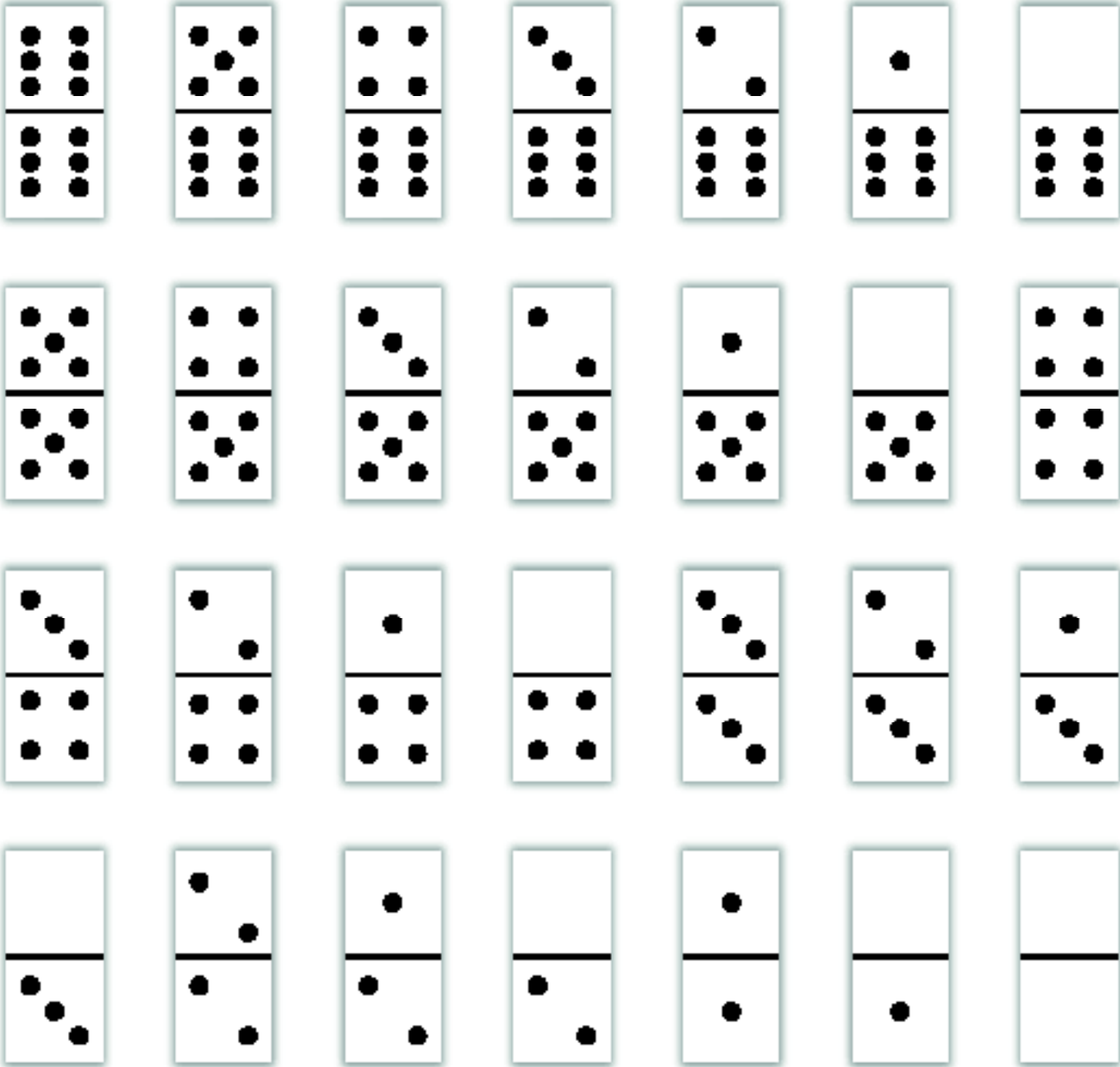


# Big Domino Template

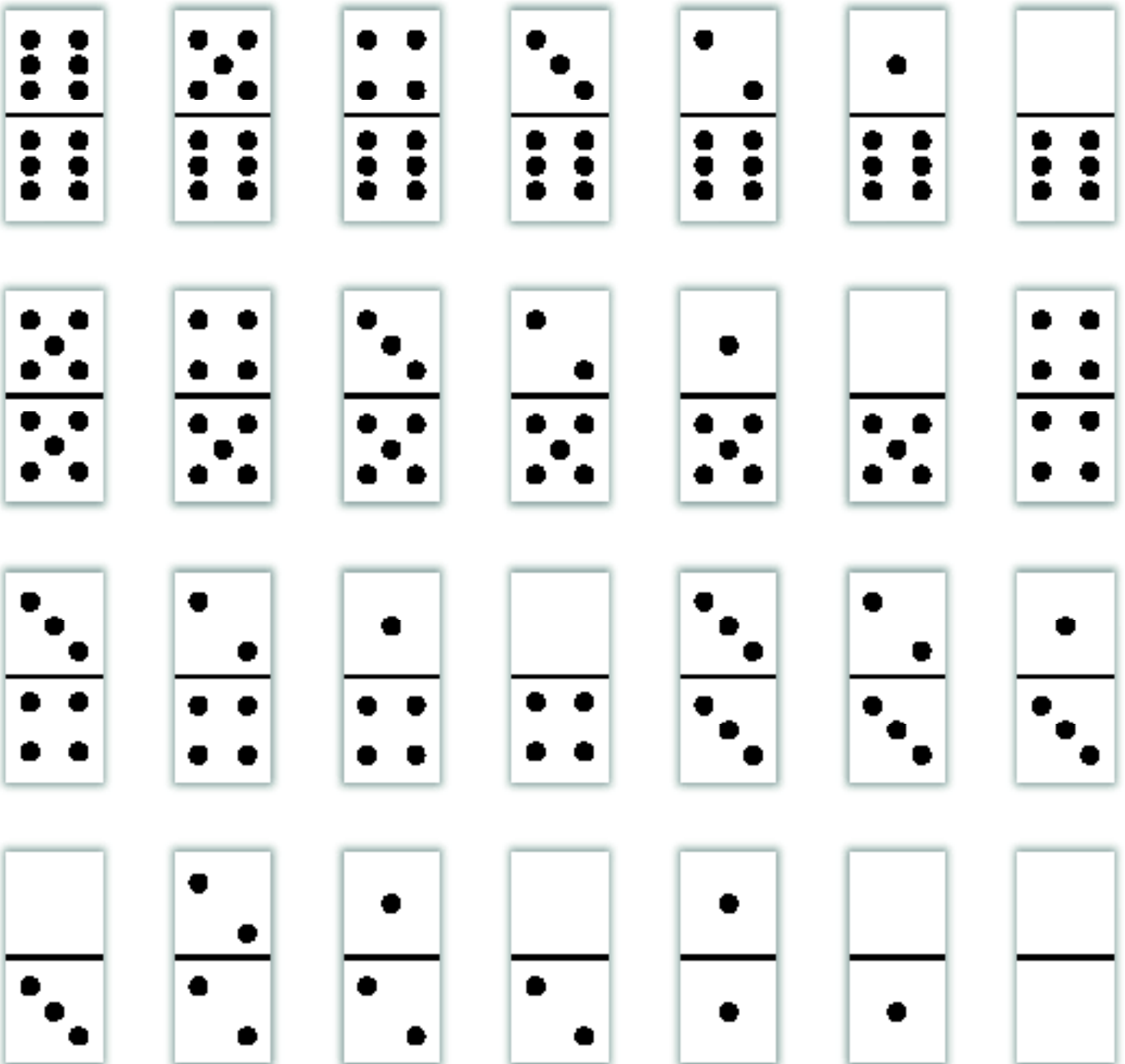
**Build it. Pull a domino card. Build it using counters and then act out the addition problem.**



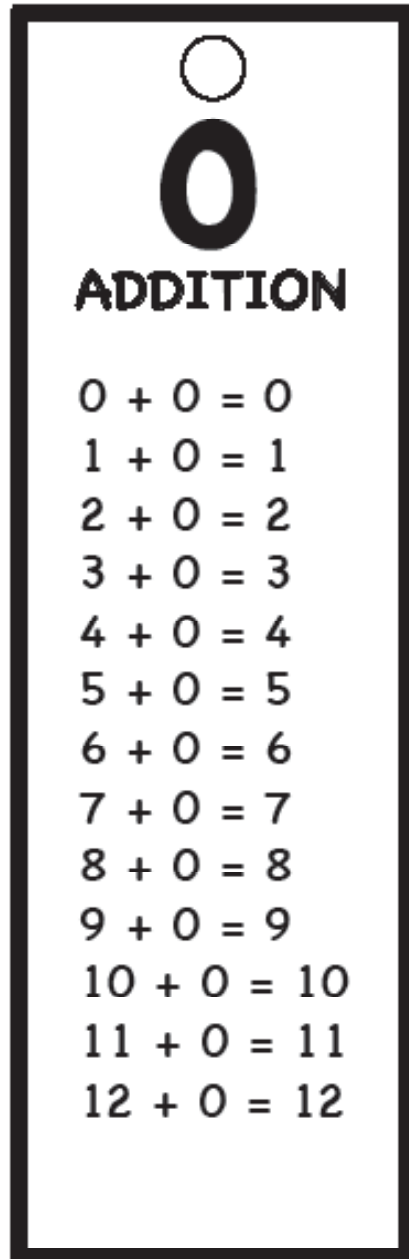
# DOMINOES



# DOMINOES

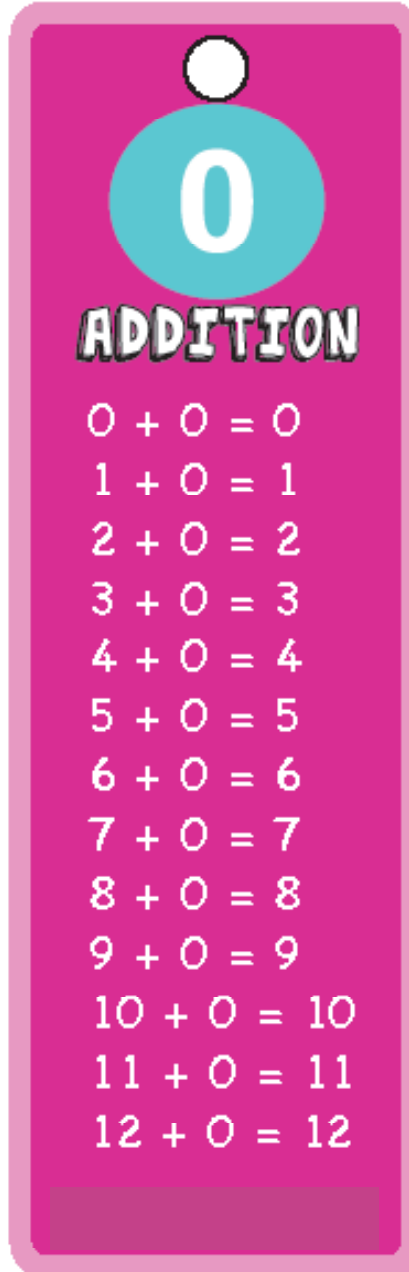


# BOOKMARKS



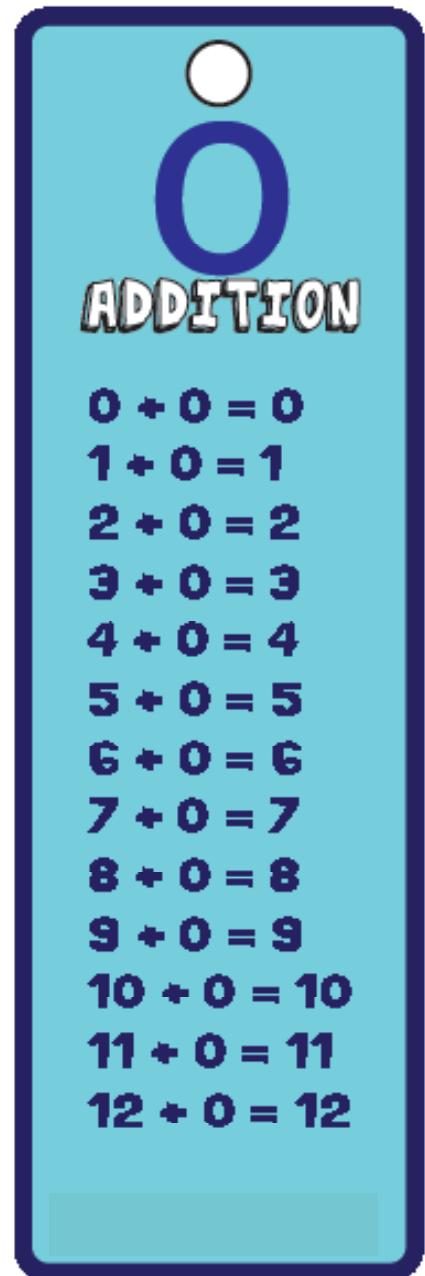
**0**  
**ADDITION**

$0 + 0 = 0$   
 $1 + 0 = 1$   
 $2 + 0 = 2$   
 $3 + 0 = 3$   
 $4 + 0 = 4$   
 $5 + 0 = 5$   
 $6 + 0 = 6$   
 $7 + 0 = 7$   
 $8 + 0 = 8$   
 $9 + 0 = 9$   
 $10 + 0 = 10$   
 $11 + 0 = 11$   
 $12 + 0 = 12$



**0**  
**ADDITION**

$0 + 0 = 0$   
 $1 + 0 = 1$   
 $2 + 0 = 2$   
 $3 + 0 = 3$   
 $4 + 0 = 4$   
 $5 + 0 = 5$   
 $6 + 0 = 6$   
 $7 + 0 = 7$   
 $8 + 0 = 8$   
 $9 + 0 = 9$   
 $10 + 0 = 10$   
 $11 + 0 = 11$   
 $12 + 0 = 12$



**0**  
**ADDITION**

$0 + 0 = 0$   
 $1 + 0 = 1$   
 $2 + 0 = 2$   
 $3 + 0 = 3$   
 $4 + 0 = 4$   
 $5 + 0 = 5$   
 $6 + 0 = 6$   
 $7 + 0 = 7$   
 $8 + 0 = 8$   
 $9 + 0 = 9$   
 $10 + 0 = 10$   
 $11 + 0 = 11$   
 $12 + 0 = 12$

# BOOKMARKS

1

**ADDITION**

$0 + 1 = 1$

$1 + 1 = 2$

$2 + 1 = 3$

$3 + 1 = 4$

$4 + 1 = 5$

$5 + 1 = 6$

$6 + 1 = 7$

$7 + 1 = 8$

$8 + 1 = 9$

$9 + 1 = 10$

$10 + 1 = 11$

$11 + 1 = 12$

$12 + 1 = 13$

1

**ADDITION**

$0 + 1 = 1$

$1 + 1 = 2$

$2 + 1 = 3$

$3 + 1 = 4$

$4 + 1 = 5$

$5 + 1 = 6$

$6 + 1 = 7$

$7 + 1 = 8$

$8 + 1 = 9$

$9 + 1 = 10$

$10 + 1 = 11$

$11 + 1 = 12$

$12 + 1 = 13$

1

**ADDITION**

$0 + 1 = 1$

$1 + 1 = 2$

$2 + 1 = 3$

$3 + 1 = 4$

$4 + 1 = 5$

$5 + 1 = 6$

$6 + 1 = 7$

$7 + 1 = 8$

$8 + 1 = 9$

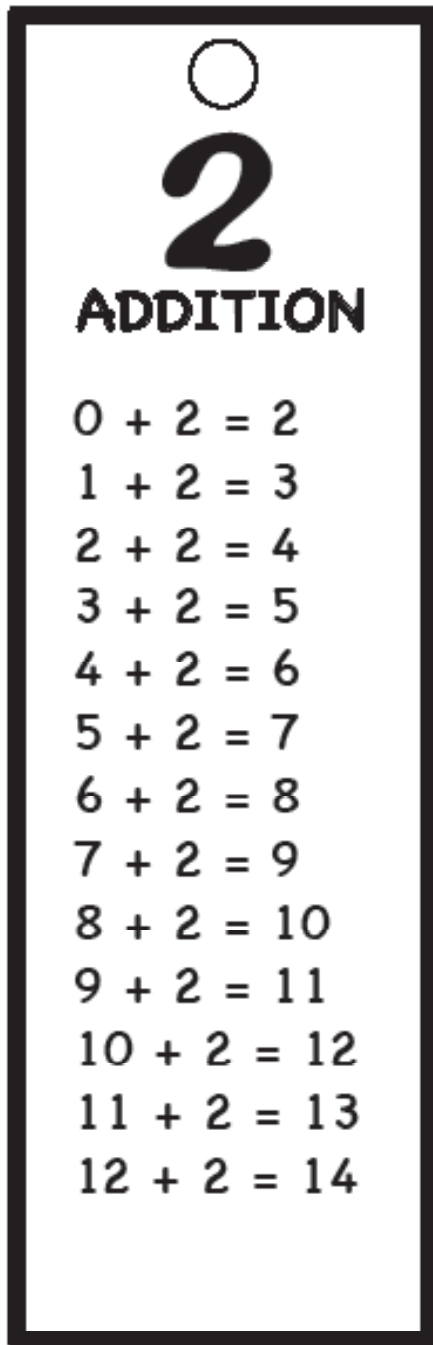
$9 + 1 = 10$

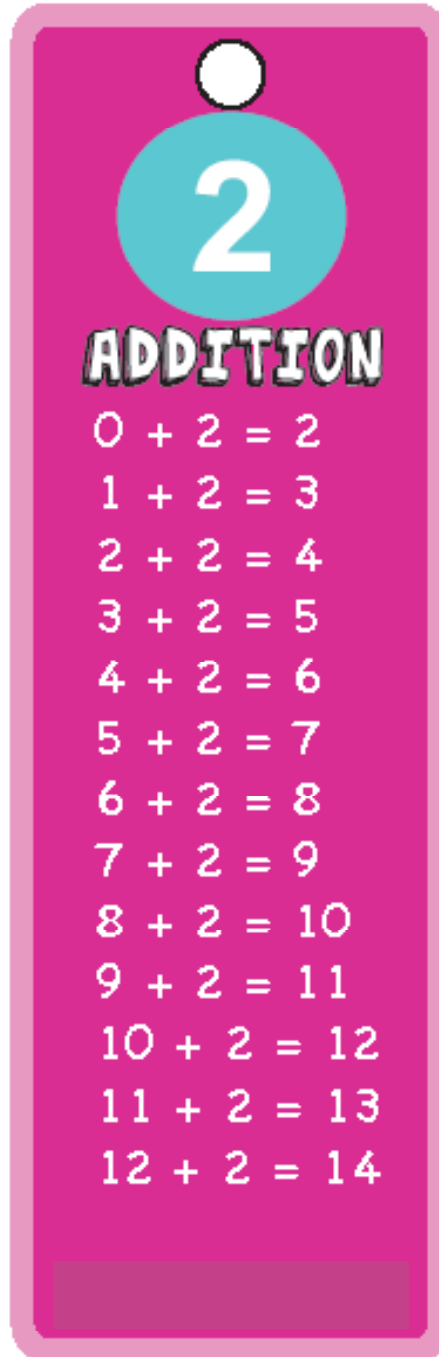
$10 + 1 = 11$

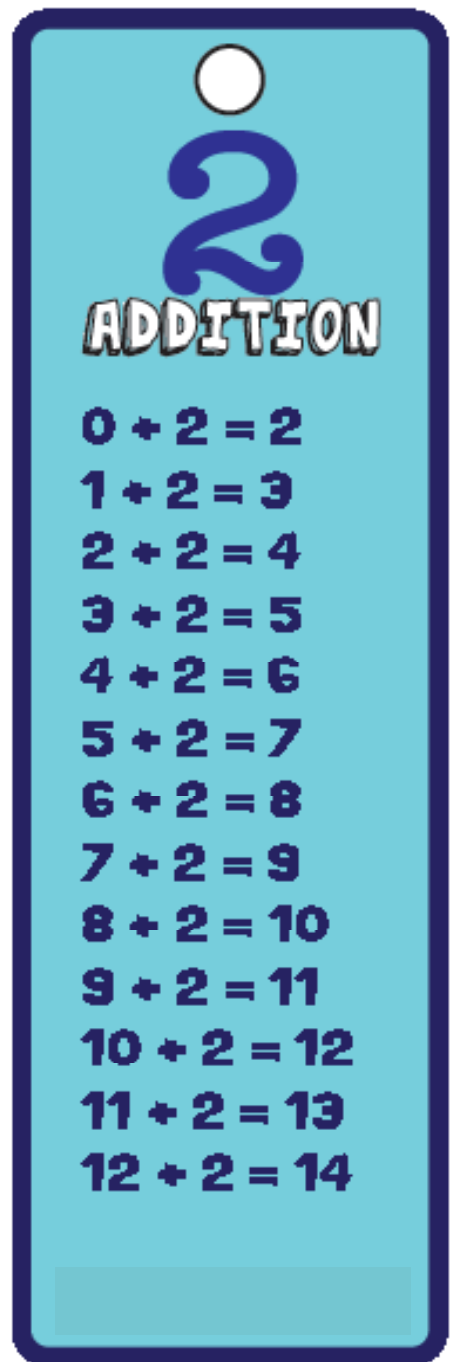
$11 + 1 = 12$

$12 + 1 = 13$

# BOOKMARKS

  
○  
**2**  
**ADDITION**  
 $0 + 2 = 2$   
 $1 + 2 = 3$   
 $2 + 2 = 4$   
 $3 + 2 = 5$   
 $4 + 2 = 6$   
 $5 + 2 = 7$   
 $6 + 2 = 8$   
 $7 + 2 = 9$   
 $8 + 2 = 10$   
 $9 + 2 = 11$   
 $10 + 2 = 12$   
 $11 + 2 = 13$   
 $12 + 2 = 14$

  
○  
**2**  
**ADDITION**  
 $0 + 2 = 2$   
 $1 + 2 = 3$   
 $2 + 2 = 4$   
 $3 + 2 = 5$   
 $4 + 2 = 6$   
 $5 + 2 = 7$   
 $6 + 2 = 8$   
 $7 + 2 = 9$   
 $8 + 2 = 10$   
 $9 + 2 = 11$   
 $10 + 2 = 12$   
 $11 + 2 = 13$   
 $12 + 2 = 14$

  
○  
**2**  
**ADDITION**  
 $0 + 2 = 2$   
 $1 + 2 = 3$   
 $2 + 2 = 4$   
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# BOOKMARKS

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**3**

**ADDITION**

$0 + 3 = 3$

$1 + 3 = 4$

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$6 + 3 = 9$

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○  
**3**

**ADDITION**

$0 + 3 = 3$

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$3 + 3 = 6$

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**3**

**ADDITION**

$0 + 3 = 3$

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# BOOKMARKS

4

**ADDITION**

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$1 + 4 = 5$

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$5 + 4 = 9$

$6 + 4 = 10$

$7 + 4 = 11$

$8 + 4 = 12$

$9 + 4 = 13$

$10 + 4 = 14$

$11 + 4 = 15$

$12 + 4 = 16$

4

**ADDITION**

$0 + 4 = 4$

$1 + 4 = 5$

$2 + 4 = 6$

$3 + 4 = 7$

$4 + 4 = 8$

$5 + 4 = 9$

$6 + 4 = 10$

$7 + 4 = 11$

$8 + 4 = 12$

$9 + 4 = 13$

$10 + 4 = 14$

$11 + 4 = 15$

$12 + 4 = 16$

4

**ADDITION**

$0 + 4 = 4$

$1 + 4 = 5$

$2 + 4 = 6$

$3 + 4 = 7$

$4 + 4 = 8$

$5 + 4 = 9$

$6 + 4 = 10$

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# BOOKMARKS

○  
**5**

**ADDITION**

$0 + 5 = 5$

$1 + 5 = 6$

$2 + 5 = 7$

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$4 + 5 = 9$

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$6 + 5 = 11$

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○  
**5**

**ADDITION**

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$1 + 5 = 6$

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**5**

**ADDITION**

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$10 + 5 = 15$

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$12 + 5 = 17$

# BOOKMARKS

6

## ADDITION

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$3 + 6 = 9$

$4 + 6 = 10$

$5 + 6 = 11$

$6 + 6 = 12$

$7 + 6 = 13$

$8 + 6 = 14$

$9 + 6 = 15$

$10 + 6 = 16$

$11 + 6 = 17$

$12 + 6 = 18$

6

## ADDITION

$0 + 6 = 6$

$1 + 6 = 7$

$2 + 6 = 8$

$3 + 6 = 9$

$4 + 6 = 10$

$5 + 6 = 11$

$6 + 6 = 12$

$7 + 6 = 13$

$8 + 6 = 14$

$9 + 6 = 15$

$10 + 6 = 16$

$11 + 6 = 17$

$12 + 6 = 18$

6

## ADDITION

$0 + 6 = 6$

$1 + 6 = 7$

$2 + 6 = 8$

$3 + 6 = 9$

$4 + 6 = 10$

$5 + 6 = 11$

$6 + 6 = 12$

$7 + 6 = 13$

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# BOOKMARKS

7

**ADDITION**

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$1 + 7 = 8$

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$12 + 7 = 19$

7

**ADDITION**

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$5 + 7 = 12$

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7

**ADDITION**

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$3 + 7 = 10$

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$12 + 7 = 19$

# BOOKMARKS

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**8**

## ADDITION

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$9 + 8 = 17$

$10 + 8 = 18$

$11 + 8 = 19$

$12 + 8 = 20$

○

**8**

## ADDITION

$0 + 8 = 8$

$1 + 8 = 9$

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$3 + 8 = 11$

$4 + 8 = 12$

$5 + 8 = 13$

$6 + 8 = 14$

$7 + 8 = 15$

$8 + 8 = 16$

$9 + 8 = 17$

$10 + 8 = 18$

$11 + 8 = 19$

$12 + 8 = 20$

○

**8**

## ADDITION

$0 + 8 = 8$

$1 + 8 = 9$

$2 + 8 = 10$

$3 + 8 = 11$

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$5 + 8 = 13$

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# BOOKMARKS

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## ADDITION

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$10 + 9 = 19$

$11 + 9 = 20$

$12 + 9 = 21$

9

## ADDITION

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$10 + 9 = 19$

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$12 + 9 = 21$

9

## ADDITION

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# BOOKMARKS

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$10 + 10 = 20$

$11 + 10 = 21$

$12 + 10 = 22$

10

ADDITION

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$12 + 10 = 22$

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ADDITION

$0 + 10 = 10$

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## ADDITION

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$10 + 11 = 21$

$11 + 11 = 22$

$12 + 11 = 23$

11

## ADDITION

$0 + 11 = 11$

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$3 + 11 = 14$

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$5 + 11 = 16$

$6 + 11 = 17$

$7 + 11 = 18$

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11

## ADDITION

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$3 + 11 = 14$

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$5 + 11 = 16$

$6 + 11 = 17$

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$11 + 11 = 22$

$12 + 11 = 23$

# BOOKMARKS

12

ADDITION

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$10 + 12 = 22$

$11 + 12 = 23$

$12 + 12 = 24$

12

ADDITION

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$3 + 12 = 15$

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$8 + 12 = 20$

$9 + 12 = 21$

$10 + 12 = 22$

$11 + 12 = 23$

$12 + 12 = 24$

12

ADDITION

$0 + 12 = 12$

$1 + 12 = 13$

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$3 + 12 = 15$

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# Math Fact Fluency Playground

**See it, do it, learn it!**

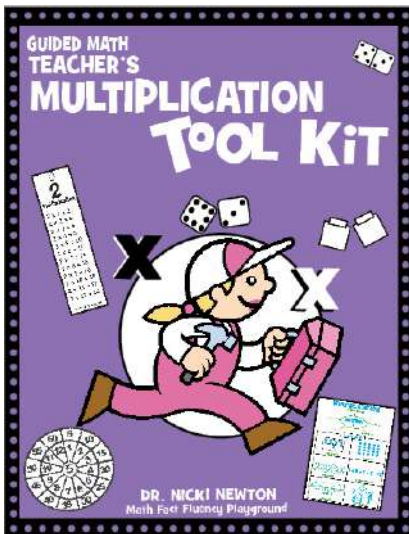
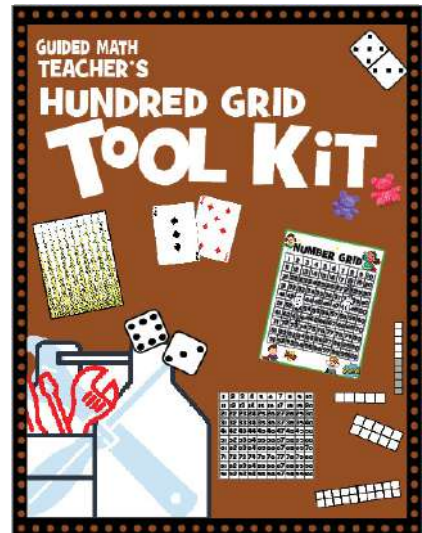
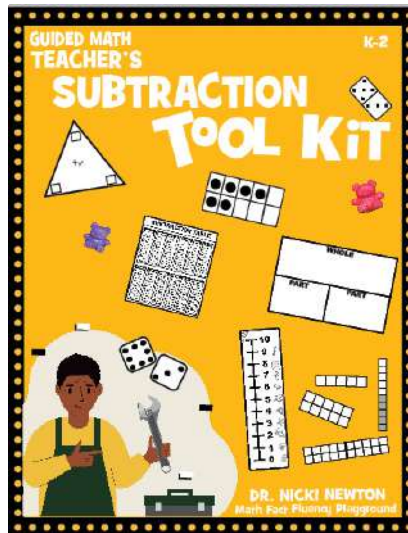
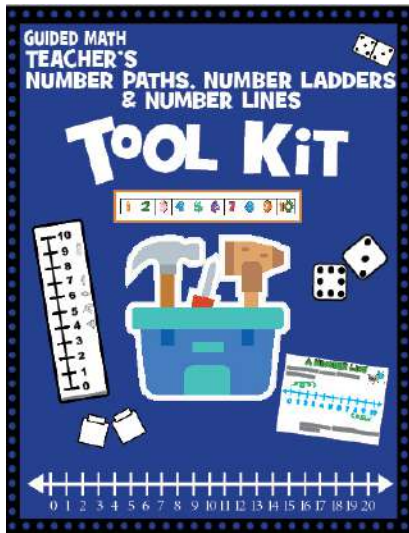
**Math Fact Fluency Playground has one mission: Every student can learn and do math!**

We work with teachers, schools, districts, regions and state educational agencies to help create a better math world. We believe that when teachers know more students soar! We believe that together we can change the world by creating research-based, engaging, student-friendly, classroom-tested math resources. Building on the research that says instruction is the linchpin and creative, evidence based resources are a powerful tool, we provide powerful pd and amazing resources to help you turn your math story around!

**Contact us today**

[www.mathfactfluencyplayground.com](http://www.mathfactfluencyplayground.com)  
[drnicki@mathfactfluencyplayground.com](mailto:drnicki@mathfactfluencyplayground.com)

# OTHER BOOKS IN THE SERIES



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Fluency Doesn't Just Happen, It is a well planned journey!



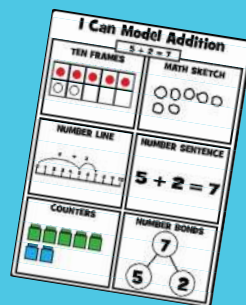
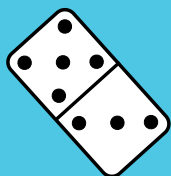
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FLUENCY ACTIVITIES AT  
[WWW.MATHFACTFLUENCYPLAYGROUND.COM](http://WWW.MATHFACTFLUENCYPLAYGROUND.COM)**



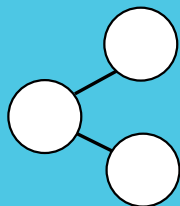
GUIDED MATH  
TEACHER'S

# +

# ADDITION TOOL KIT



**Guided Math Templates help students to visualize and do the math.**

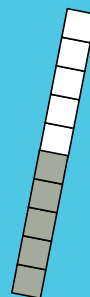
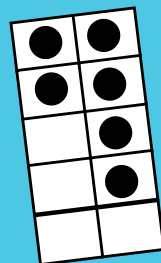
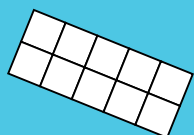


This must-have book of resources provides teachers with the templates, tools, and blackline masters that they need to use to support children in learning addition. There are also number bonds. Built on Dr. Nicki's work with students and teachers around the world, these research based, student friendly resources allow all students to access the knowledge and skills needed to learn and practice addition.



**This powerful resource includes:**

- **Thinking Templates** so that students can practice and model their thinking. These include five frames, ten frames and twenty frames as well as number paths and number lines. There are also number bonds, part-part whole mats and spinners. Many of these templates are on the same page so students can solve one way and check another.
- **Board Games** that help students to practice their facts in fun and engaging ways. There are some premade games and other blank game templates so that the teacher can create differentiated game boards and also so that students can build their own games.
- **Visual Flashcards** that help students to practice their facts in fun and engaging ways. There are some premade ones. There are also blank flashcard templates so that the teacher and/or the student can make differentiated ones.
- **Story Mats and Paper Manipulatives** can help students to act out different problems. These 2 tools help students to not only solve but also to tell word problems. As with the other resources in this book, they work on visualizing and acting out the problems.



**The Guided Math Teacher's Addition Toolkit is the essential resource for teachers to prepare and deliver hands-on, visual lessons.**

