

THE JUMBO BOOK OF VISUAL SUBTRACTION STRATEGY FLASHCARDS FACTS WITHIN TEN

FLASHCARD GAMES INCLUDE

- SUBTRACTION BATTLE
- NUMBER LINE IT!
- FACT FAMILIES
- TEN FRAME IT!
- WHAT'S MISSING
- CLIP IT!
- PICTURE IT!
- PART PART WHOLE IT!



**THE JUMBO BOOK
OF VISUAL
SUBTRACTION
STRATEGY
FLASHCARDS
WITHIN 10**

**MATH FACT FLUENCY PLAYGROUND LLC
BRIDGEPORT, CT**

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To contact the author for speaking workshops or ordering books in bulk, contact us at info@mathfactfluencyplayground.com

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Flashcards created by
Dr. Nicki Newton

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EXERCISING YOUR BRAIN!

THIS BOOK WILL HELP YOU PRACTICE YOUR MATH FACT FLUENCY! MATH FACT FLUENCY IS 3 THINGS:

1. GETTING THE CORRECT ANSWER AND KNOWING HOW TO EXPLAIN IT.

2. BEING ABLE TO THINK FLEXIBLY (KNOWING LOTS OF WAYS TO PLAY AROUND WITH THE NUMBERS).

3. BEING EFFICIENT (WHICH MEANS YOU CAN FIND A WAY TO DO IT THAT IS QUICK AND EASY)!

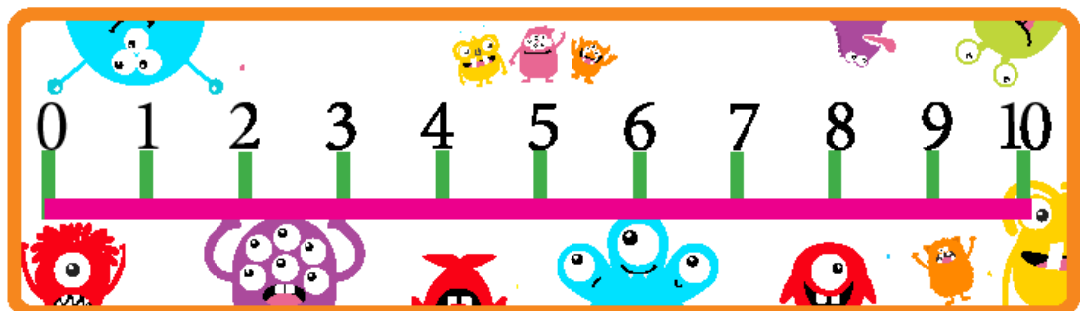
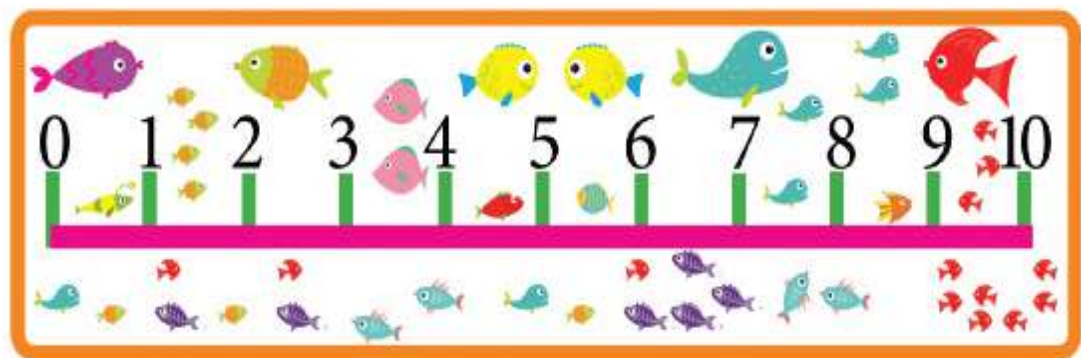
PRACTICING IN MANY DIFFERENT WAYS WILL HELP YOU TO BECOME AUTOMATIC! THIS MEANS YOU DON'T EVEN HAVE TO THINK ABOUT THE PROBLEM, YOU JUST KNOW IT!

THESE VISUAL MATH FLASHCARDS WILL DO ALL OF THE ABOVE.

HAPPY MATHING!



THIS PAGE HAS A FEW TOOLS TO HELP YOU SOLVE THE PROBLEMS. THERE IS A NUMBER PATH, NUMBER LINE AND NUMBER LADDER, TO HELP YOU ACT OUT THE PROBLEMS! THERE IS AN ANSWER KEY IN THE BACK OF THE BOOK SO YOU CAN CHECK YOUR WORK AT THE END TOO!



**FOR MORE MATH FACT FUN
PRACTICE, VISIT US AT
MATHFACTFLUENCYPLAYGROUND.COM.
YOUR PARENTS AND
TEACHERS CAN JOIN OUR FREE
MEMBERSHIP AND GET PLENTY OF
ACTIVITIES TO HELP
YOU LEARN MORE.**



**FOR QUESTIONS AND CUSTOMER SERVICE,
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DRNICKI@MATHFACTFLUENCYPLAYGROUND.COM**

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PROGRESSION OF SUBTRACTION

FLUENCY IS

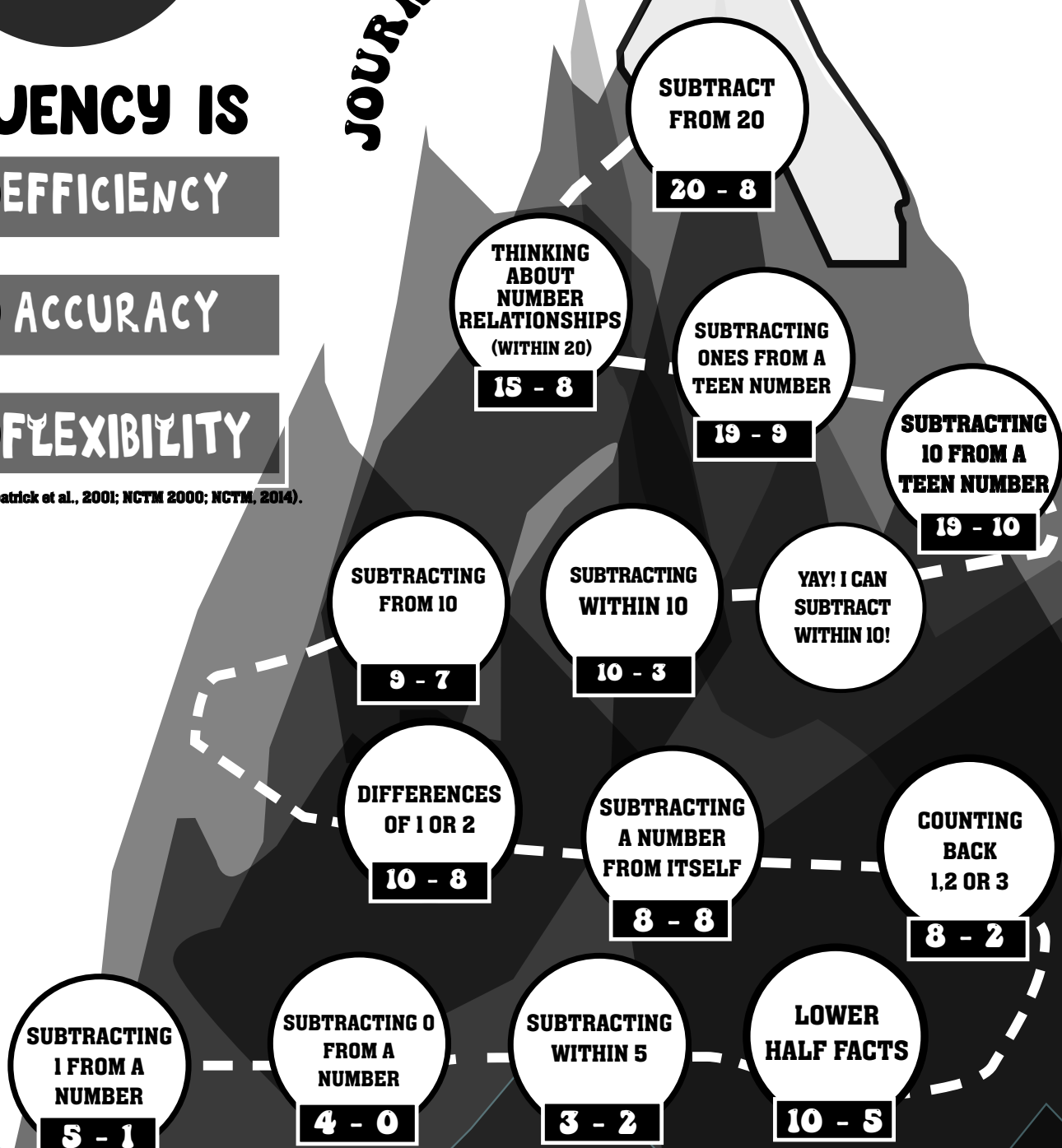
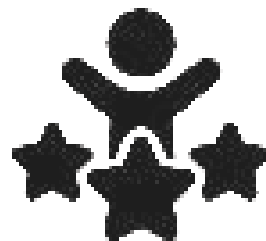
1 EFFICIENCY

2 ACCURACY

3 FLEXIBILITY

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

JOURNEY TO FLUENCY

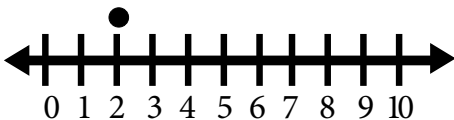


SET A GOAL. MAKE A PLAN. ACHIEVE YOUR GOAL!

VISUAL SUBTRACTION STRATEGY FLASHCARDS

**IN THIS BOOK THERE ARE MANY DIFFERENT KINDS
OF VISUAL ADDITION STRATEGY FLASHCARDS TO
HELP YOU WORK ON YOUR MATH FACT FLUENCY!
EACH SECTION WILL INCLUDE THE INSTRUCTIONS
AND THE FLASHCARDS! HAVE FUN!**

$$2 - 0$$



www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

$$4 - 4$$



www.mathfactfluencyplayground.com

0

www.mathfactfluencyplayground.com

**HAPPY MATHING,
DR. NICKI**



**THIS BOOK
BELONGS TO**

NAME





THE JUMBO BOOK OF VISUAL SUBTRACTION STRATEGY FLASHCARDS



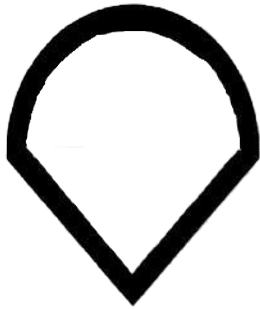
HOW TO PLAY:

VISUAL STRATEGY FLASHCARDS ARE A GREAT WAY TO PRACTICE MATH FACTS. THESE SETS OF CARDS HELP TO SCAFFOLD STUDENT THINKING ABOUT THE DIFFERENT STRATEGIES. AS CHILDREN BECOME PROFICIENT WITH EACH SET OF CARDS HAVE THEM COLOR THE SHIELD.

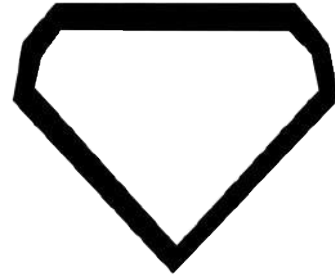


KEEP TRACK OF YOUR STRATEGY PRACTICE!

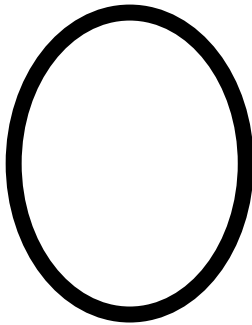
SUBTRACTING 0



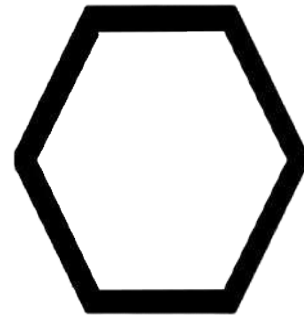
SUBTRACTING 1



SUBTRACTING WITHIN 5



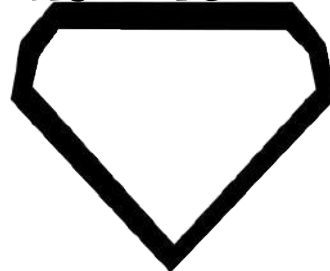
LOWER HALF FACTS



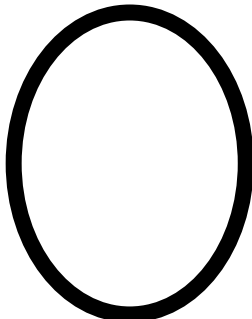
COUNTING BACK 1,2,3



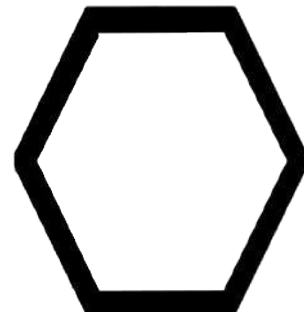
**SUBTRACTING A NUMBER
FROM ITSELF**



SUBTRACTING WITHIN 10



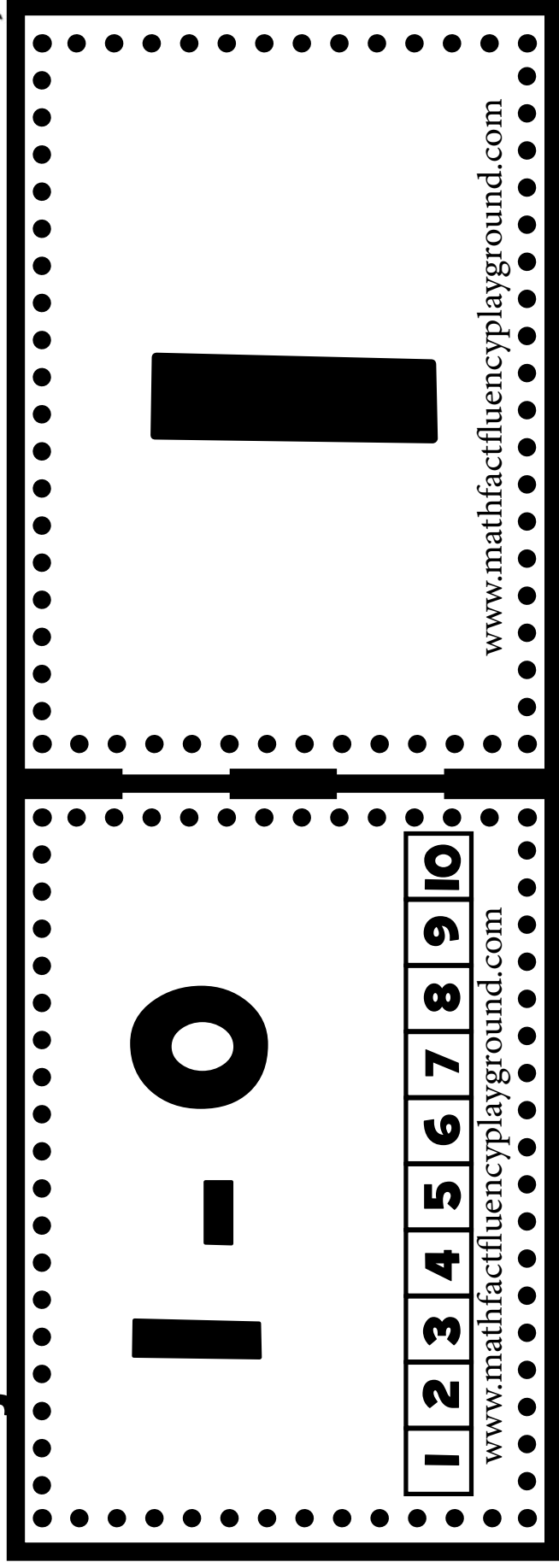
DIFFERENCES OF 1 OR 2



SUBTRACTING 0 (NUMBER LINE)

SUBTRACTING O

Subtracting O is a difficult idea for many students. Many argue that subtracting I is easier because you have a quantity to think about. Students should have many hands on experiences working with this concept. Research states that kindergarten and first grade students should work on number paths. However, most state standards discuss the number line. We have worked with both throughout the book.



SUBTRACTING 0

10 - 0

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

www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

2 - 0

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

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

SUBTRACTING 0



9	-	0
---	---	---

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

www.mathfactfluencyplayground.com

9

www.mathfactfluencyplayground.com



3	-	0
---	---	---

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

www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

SUBTRACTING 0

8 - 0

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

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8

www.mathfactfluencyplayground.com

4 - 0

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

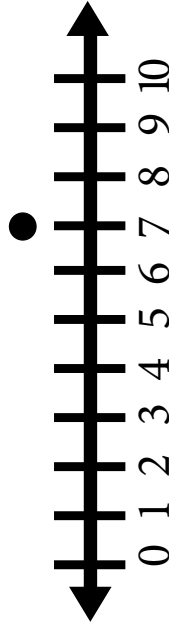
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4

www.mathfactfluencyplayground.com

SUBTRACTING 0

$$7 - 0$$



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www.mathfactfluencyplayground.com

7

$$5 - 0$$

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

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www.mathfactfluencyplayground.com

5


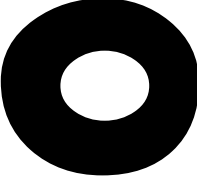

SUBTRACTING 0





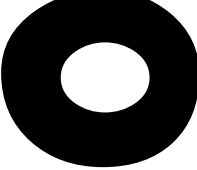
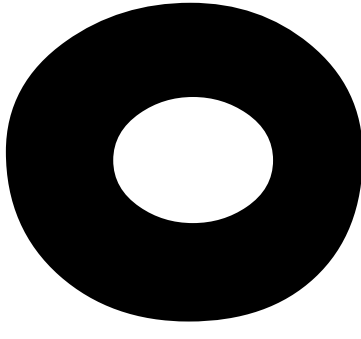
<div><p>6 - 0</p></div> <div><table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr></table></div> <div><p>www.mathfactfluencyplayground.com</p></div>	1	2	3	4	5	6	7	8	9	10	<div><p>6</p></div> <div><p>www.mathfactfluencyplayground.com</p></div>
1	2	3	4	5	6	7	8	9	10		

SUBTRACTING O



 - 	 -
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



 -	 -
 -	
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING 0



$2 - 0$	2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$9 - 0$	9
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING 0



3	-	0
www.mathfactfluencyplayground.com		
3		
www.mathfactfluencyplayground.com		



8	-	0
www.mathfactfluencyplayground.com		
8		
www.mathfactfluencyplayground.com		

SUBTRACTING 0



$$4 - 0$$

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$$4$$

www.mathfactfluencyplayground.com



$$7 - 0$$

www.mathfactfluencyplayground.com

$$7$$

www.mathfactfluencyplayground.com

SUBTRACTING 0



$5 - 0$	5
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$6 - 0$	6
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING

1

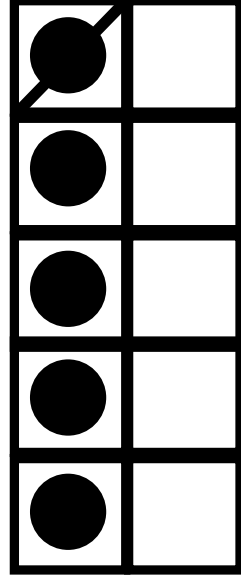
(10 FRAME)

SUBTRACTING 1

Subtracting 1 is an important concept. Students should understand that it is the number before. They are taking away 1 so the number is getting smaller. These visual flashcards allow students to see the math.



$$5 - 1$$



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4

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SUBTRACTING 1



10 - 1

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●

9

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1 - 1

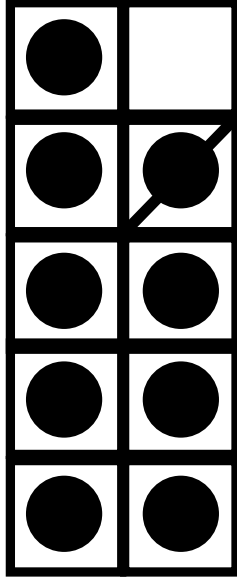
●									
●									

0

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SUBTRACTING 1

$$9 - 1$$

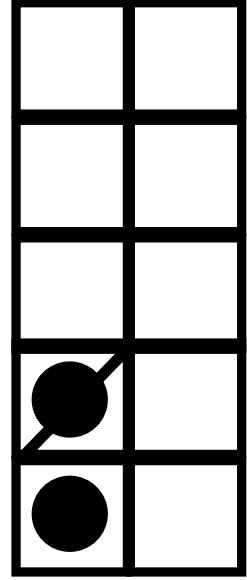


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8

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$$2 - 1$$



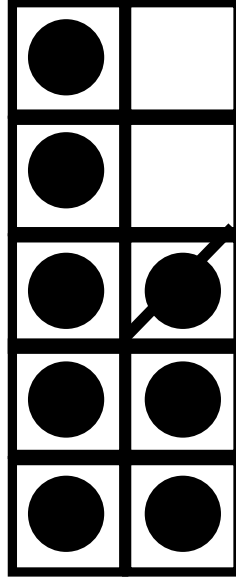
www.mathfactfluencyplayground.com

1

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SUBTRACTING 1

$$8 - 1$$

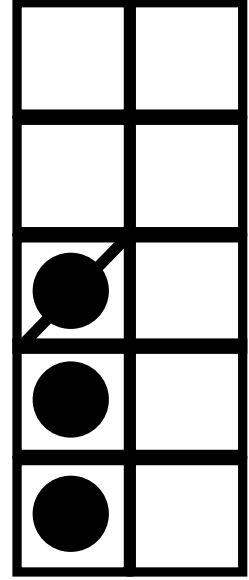


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7

www.mathfactfluencyplayground.com

$$3 - 1$$



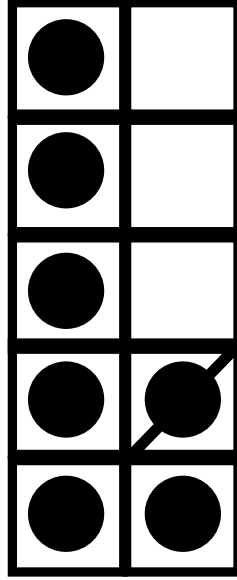
www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

SUBTRACTING 1

$$7 - 1$$

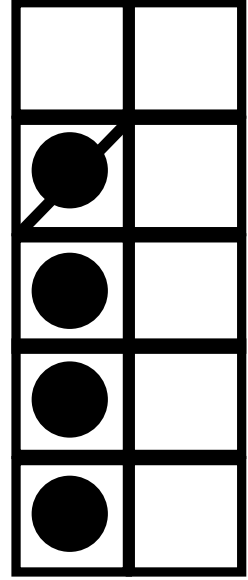


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6

www.mathfactfluencyplayground.com

$$4 - 1$$



www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

SUBTRACTING 1



<p>6 - 1</p> <table border="1"><tr><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td></tr><tr><td>●</td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>www.mathfactfluencyplayground.com</p>	●	●	●	●	●	●	●						<p>5</p> <p>www.mathfactfluencyplayground.com</p>
●	●	●	●	●	●								
●													

SUBTRACTING 1



$$5 - 1$$

www.mathfactfluencyplayground.com

$$4$$

www.mathfactfluencyplayground.com

$$10 - 1$$



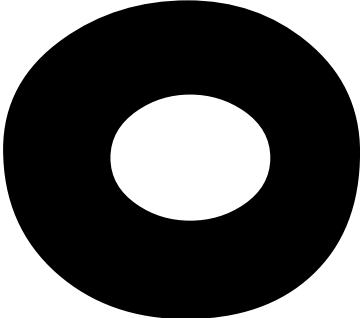
www.mathfactfluencyplayground.com

$$9$$

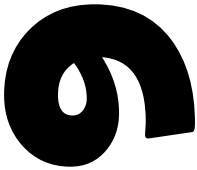

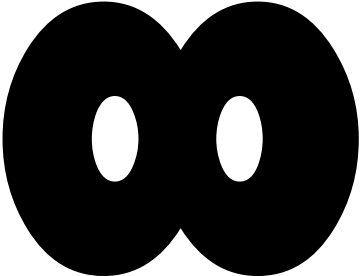
www.mathfactfluencyplayground.com

SUBTRACTING 1



 - 	 www.mathfactfluencyplayground.com
---	---



 - 	 www.mathfactfluencyplayground.com
---	---

SUBTRACTING 1



$2 - 1 =$	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$8 - 1 =$	7
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING 1



3	- 1
www.mathfactfluencyplayground.com	2



7	- 1
www.mathfactfluencyplayground.com	6

SUBTRACTING 1



4	3
- 1	
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



6	5
- 1	
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

**SUBTRACTING
WITHIN 5
(NUMBER PATH)**

SUBTRACTING WITHIN 5

Kindergarteners should work on fluency within 5 and in some states within 10. Our next set of cards explore how students can use the number paths to figure out the answer.



5 - 3				2				
1	2	3	4	5				
www.mathfactfluencyplayground.com				www.mathfactfluencyplayground.com				

SUBTRACTING WITHIN 5



5

-

1

1	2	3	4	5
---	---	---	---	---

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4

www.mathfactfluencyplayground.com



5

-

2

1	2	3	4	5
---	---	---	---	---

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3

www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



$4 - 1$

1	2	3	4	5
---	---	---	---	---

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3

www.mathfactfluencyplayground.com



$4 - 2$

1	2	3	4	5
---	---	---	---	---

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



$3 - 1$

1	2	3	4	5
---	---	---	---	---

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2

www.mathfactfluencyplayground.com



$5 - 4$

1	2	3	4	5
---	---	---	---	---

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1

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SUBTRACTING WITHIN 5



3	-	3		
1	2	3	4	5

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0

www.mathfactfluencyplayground.com



4	-	3		
1	2	3	4	5

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1

www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5

1

2

3

4

5

3 - 2

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1

www.mathfactfluencyplayground.com

1

2

3

4

5

5 - 5

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0

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SUBTRACTING WITHIN 5



2	-	2
---	---	---

1	2	3	4	5
---	---	---	---	---

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0

www.mathfactfluencyplayground.com



2	-	1
---	---	---

1	2	3	4	5
---	---	---	---	---

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1

www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5

4 - 4

1	2	3	4	5
---	---	---	---	---

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0

www.mathfactfluencyplayground.com

1 - 1

1	2	3	4	5
---	---	---	---	---

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0

www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5 (5 FRAME)

SUBTRACTING WITHIN 5

Kindergarteners should work on fluency within 5 and in some states within 10. Our next set of cards explore subtracting within 5 on a ten frame.



$5 - 3$

A ten frame with 5 dots. The first three dots are crossed out with a diagonal line, leaving 2 dots remaining.

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2

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SUBTRACTING WITHIN 5



$$4 - 3$$



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$$2 - 1$$



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SUBTRACTING WITHIN 5



4 - 4

--	--	--	--	--

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www.mathfactfluencyplayground.com



1 - 1

--	--	--	--	--

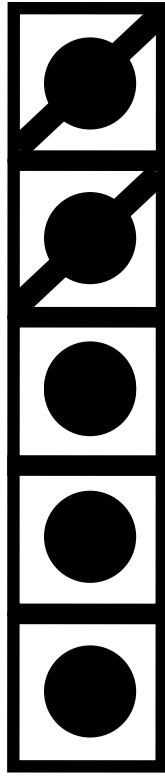
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www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



$$5 - 2$$



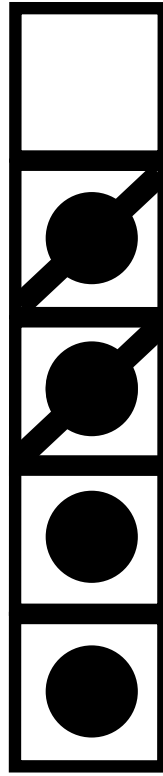
www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com



$$4 - 2$$



www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



$$3 - 2$$



www.mathfactfluencyplayground.com

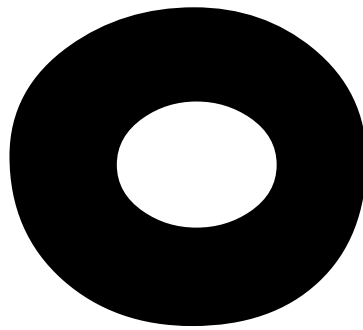


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$$5 - 5$$



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www.mathfactfluencyplayground.com

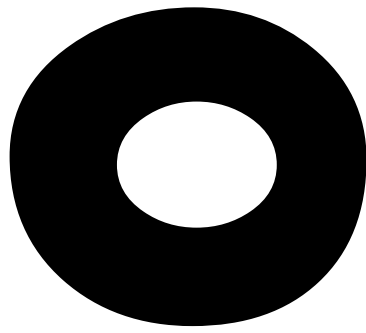
SUBTRACTING WITHIN 5



$$2 - 2$$



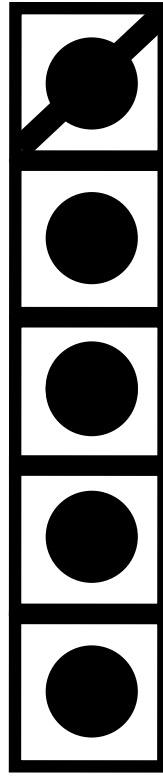
www.mathfactfluencyplayground.com



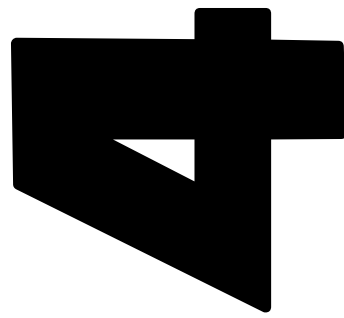
www.mathfactfluencyplayground.com



$$5 - 1$$



www.mathfactfluencyplayground.com

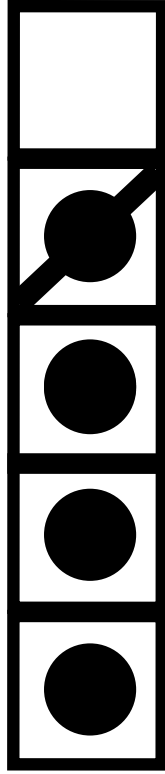


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SUBTRACTING WITHIN 5



$$4 - 1$$



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3

www.mathfactfluencyplayground.com



$$3 - 1$$



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2

www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5

$$5 - 4$$

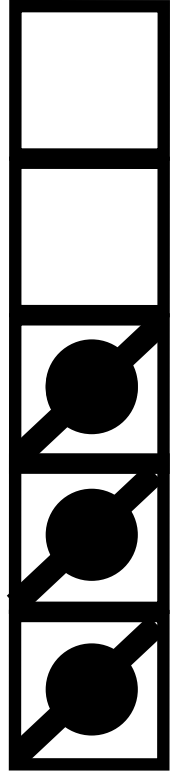


www.mathfactfluencyplayground.com

www.mathfactfluencyplayground.com

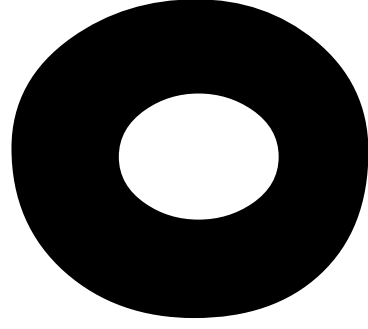


$$3 - 3$$



www.mathfactfluencyplayground.com

www.mathfactfluencyplayground.com



SUBTRACTING WITHIN 5



$5 - 3$	2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$4 - 3$	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



$2 - 1$	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$4 - 4$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



$1 - 1 = 0$	$1 - 1 = 0$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$5 - 2 = 3$	$5 - 2 = 3$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



$4 - 2$	2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$3 - 2$	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



$5 - 5$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$2 - 2$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



5	-	1
www.mathfactfluencyplayground.com		
4		www.mathfactfluencyplayground.com



4	-	1
www.mathfactfluencyplayground.com		
		3

SUBTRACTING WITHIN 5



$3 - 1$	2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$5 - 4$	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 5



3	-	3
www.mathfactfluencyplayground.com		
0	www.mathfactfluencyplayground.com	

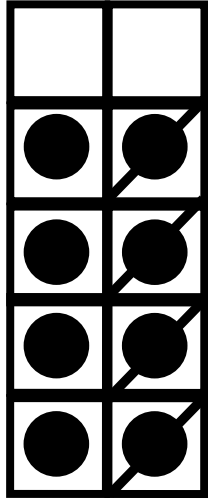
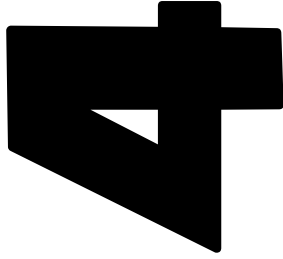


**LOWER HALF
FACTS
(TEN FRAME)**

LOWER HALF FACTS

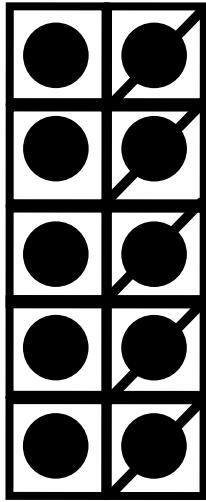
It is important that students recognize the relationships between half facts and doubles facts. Halving is more challenging than doubling. If students relate the two strategies, and make sense of them together, they will be able to use this information with other types of numbers. We use a ten frame so that students can visualize the half facts.



$8 - 4$				4			
							
www.mathfactfluencyplayground.com				www.mathfactfluencyplayground.com			

LOWER HALF FACTS

$$10 - 5$$

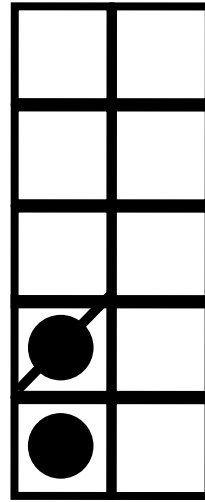


www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

$$2 - 1$$



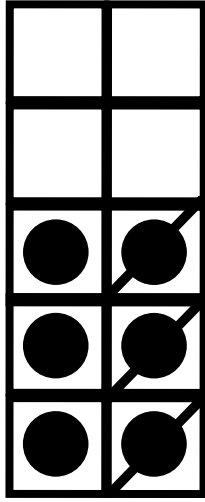
www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

LOWER HALF FACTS

$$6 - 3$$

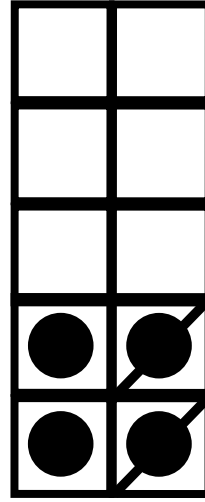


www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

$$4 - 2$$



www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

LOWER HALF FACTS



8

-

4

www.mathfactfluencyplayground.com

4

www.mathfactfluencyplayground.com



10

-

5

www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

LOWER HALF FACTS



2	1
-	1
=	1

www.mathfactfluencyplayground.com



6	3
-	3
=	3

www.mathfactfluencyplayground.com

LOWER HALF FACTS



4 - 2 www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
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**COUNTING
BACK 1,2,3
(NUMBER LINE)**

COUNTING BACK 1,2,3

Count back facts are important. Students should be able to talk about what is happening when we subtract 1, 2 or 3 from a number. They should know the differences of 1 or 2 comfortably. They should also have the strategy of counting back when they see 3. They should be able to use the count up strategy as well.



A horizontal number line with arrows at both ends. It is marked with numbers from 0 to 10. Below the line, the numbers 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 are written.

0 1 2 3 4 5 6 7 8 9 10

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2 - 1

A large rectangular area with a dotted border, intended for students to draw or write.

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COUNTING BACK 1,2,3

6 - 3




0 1 2 3 4 5 6 7 8 9 10

www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

2 - 2



0 1 2 3 4 5 6 7 8 9 10

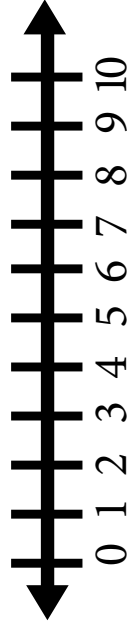
www.mathfactfluencyplayground.com

0

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3

7 - 1

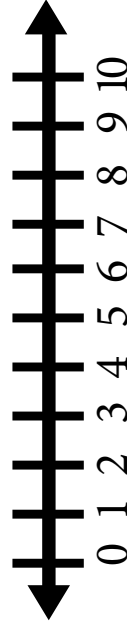


www.mathfactfluencyplayground.com

6

www.mathfactfluencyplayground.com

3 - 1



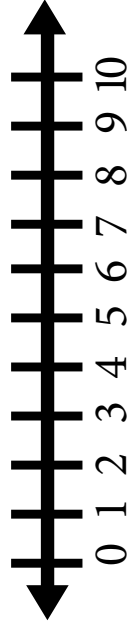
www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3

7 - 2

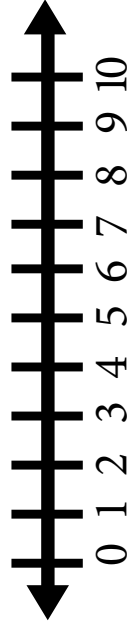


www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

3 - 2




www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3

8 - 2




0 1 2 3 4 5 6 7 8 9 10

www.mathfactfluencyplayground.com

6

www.mathfactfluencyplayground.com

3 - 3



0 1 2 3 4 5 6 7 8 9 10

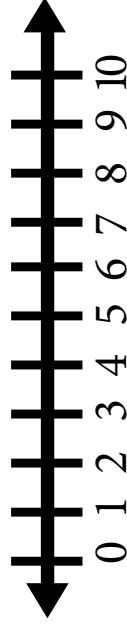
www.mathfactfluencyplayground.com

0

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3

8 - 3



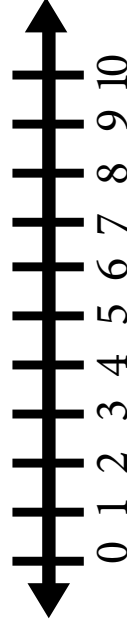
0 1 2 3 4 5 6 7 8 9 10

www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

4 - 1



0 1 2 3 4 5 6 7 8 9 10


www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3

9 - 1




0 1 2 3 4 5 6 7 8 9 10

www.mathfactfluencyplayground.com

8

www.mathfactfluencyplayground.com

4 - 2



0 1 2 3 4 5 6 7 8 9 10

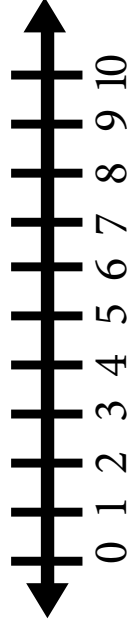
www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3

9 - 2

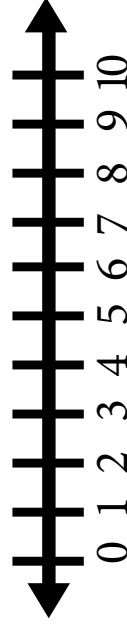


www.mathfactfluencyplayground.com

7

www.mathfactfluencyplayground.com

4 - 3



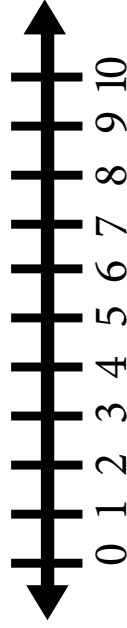
www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3

9 - 3

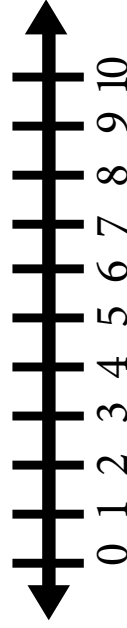


www.mathfactfluencyplayground.com

6

www.mathfactfluencyplayground.com

5 - 1




www.mathfactfluencyplayground.com


4

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



10 - 1




0 1 2 3 4 5 6 7 8 9 10


www.mathfactfluencyplayground.com

9

www.mathfactfluencyplayground.com



5 - 2



0 1 2 3 4 5 6 7 8 9 10

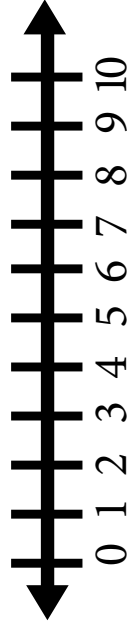
www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3

6 - 2

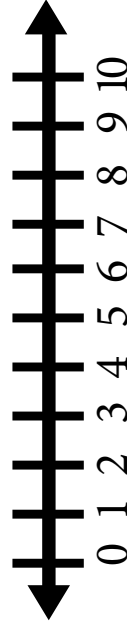


www.mathfactfluencyplayground.com

4

www.mathfactfluencyplayground.com

10 - 3





www.mathfactfluencyplayground.com

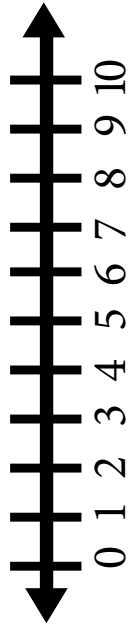
7

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



6 - 3



0 1 2 3 4 5 6 7 8 9 10

www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



2	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



6	3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



2 - 2 www.mathfactfluencyplayground.com	0 www.mathfactfluencyplayground.com
--	--



7 - 1 www.mathfactfluencyplayground.com	6 www.mathfactfluencyplayground.com
--	--

COUNTING BACK 1,2,3



3 - 1 www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
--	--



7 - 2 www.mathfactfluencyplayground.com	5 www.mathfactfluencyplayground.com
--	--

COUNTING BACK 1,2,3



3 - 2	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



8 - 2	6
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



3	3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



8	3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



4 — 1	3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



9 — 1	8
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



4 - 2 www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
--	--



9 - 2 www.mathfactfluencyplayground.com	7 www.mathfactfluencyplayground.com
--	--

COUNTING BACK 1,2,3



4 - 3	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



9 - 3	6
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



5 - 1	4
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



10 - 1	9
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

COUNTING BACK 1,2,3



5	-	2
www.mathfactfluencyplayground.com		
3	www.mathfactfluencyplayground.com	



6	-	2
www.mathfactfluencyplayground.com		
4	www.mathfactfluencyplayground.com	

COUNTING BACK 1,2,3



10 - 3 www.mathfactfluencyplayground.com	7 www.mathfactfluencyplayground.com
---	--



6 - 3 www.mathfactfluencyplayground.com	3 www.mathfactfluencyplayground.com
--	--

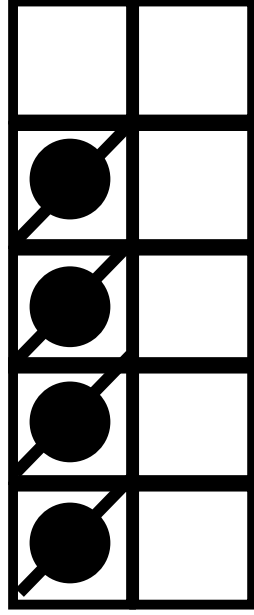
**SUBTRACTING
A NUMBER
FROM ITSELF**

SUBTRACTING A NUMBER FROM ITSELF

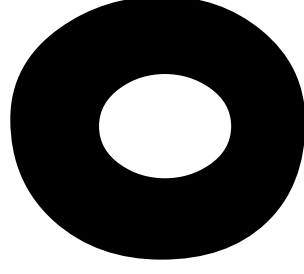
Students should recognize that when they subtract a number from itself, the answer will always be zero. Students should explain their thinking.



$$4 - 4$$



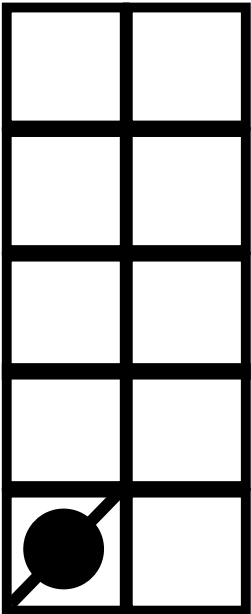
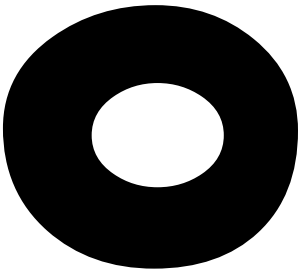
www.mathfactfluencyplayground.com



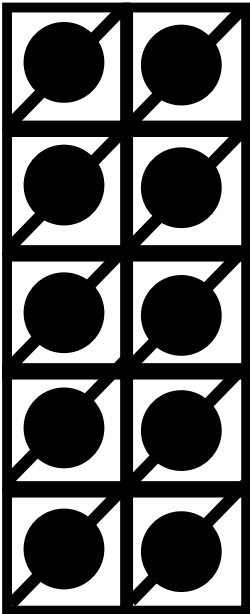
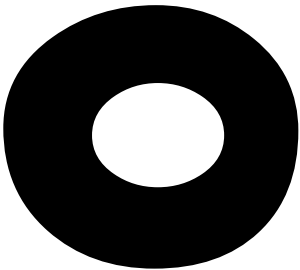
www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



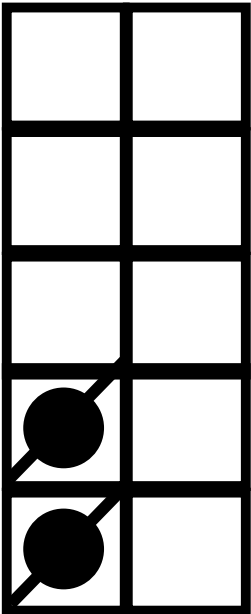
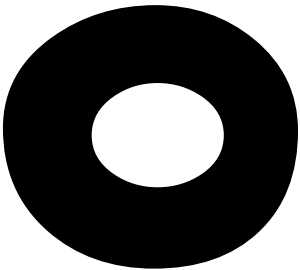
$1 - 1$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com



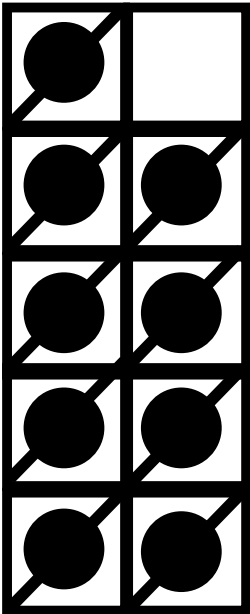
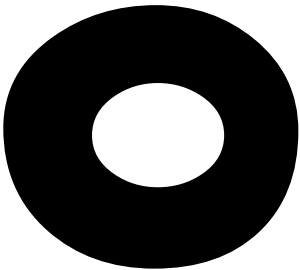
$10 - 10$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



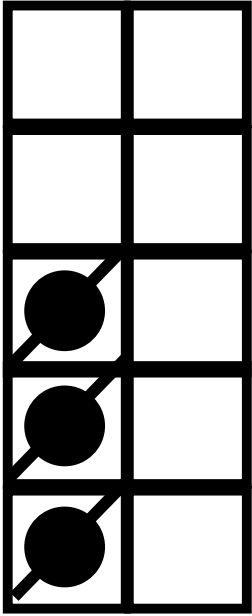
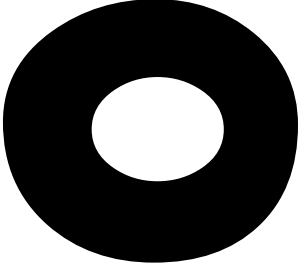
$2 - 2$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com



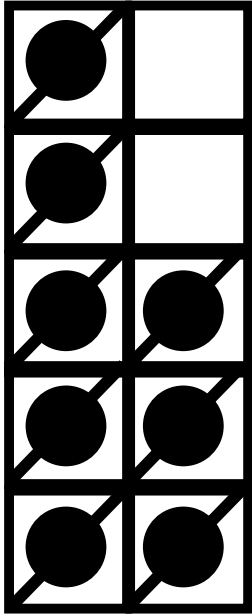
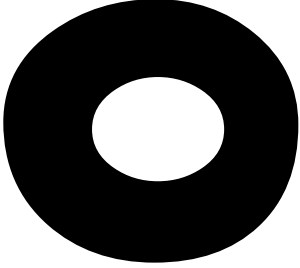
$9 - 9$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



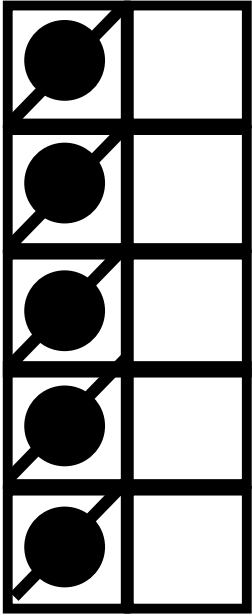
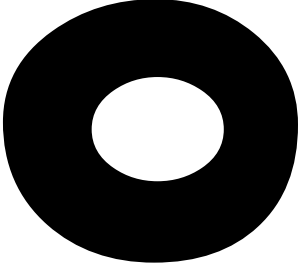
$3 - 3$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com



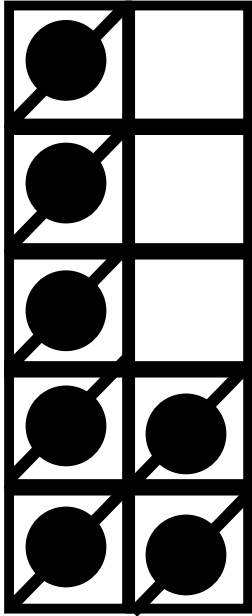
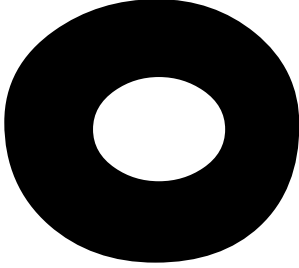
$8 - 8$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



$5 - 5$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com



$7 - 7$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



$6 - 6$		
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



4 - 4	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



1 - 1	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



$10 - 10$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$2 - 2$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



9	-	9
www.mathfactfluencyplayground.com		
0		
www.mathfactfluencyplayground.com		



3	-	3
www.mathfactfluencyplayground.com		
0		
www.mathfactfluencyplayground.com		

SUBTRACTING A NUMBER FROM ITSELF



$8 - 8$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$5 - 5$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING A NUMBER FROM ITSELF



$7 - 7$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



$6 - 6$	0
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

CLIP CARDS

Subtracting from 10

These are clip cards. They are a great bridge for students who are practicing for instant recall. This is after students understand strategies, can explain their thinking and are working on practice over time. Students pick an answer and check the back. They should explain why they picked that answer and how they know that they are correct. These are a great scaffold to moving onto regular, traditional flashcards.

SUBTRACTING FROM 10	9		
10 - 2	8	●	
Gigglebook	7		Gigglebook

SUBTRACTING FROM 10



SUBTRACTING FROM 10	9	●	Giggleenook
	8		
	7		



10 - 2	9		Giggleenook
	8	●	
	7		

SUBTRACTING FROM 10



SUBTRACTING FROM 10				Giggleenook
10 - 3	9			
	8			
	7		●	



				Giggleenook
10 - 4	6	●		
	5			
	7			

SUBTRACTING FROM 10



SUBTRACTING FROM 10	3		Giggleenook
	5	●	
	7		



SUBTRACTING FROM 10	4	●	Giggleenook
	3		
	7		

SUBTRACTING FROM 10



SUBTRACTING FROM 10	1		Gigglelook
	2		
	3	●	



SUBTRACTING FROM 10	4		Gigglelook
	2	●	
	6		

SUBTRACTING FROM 10



SUBTRACTING FROM 10		4		Gigglenook
10 - 9		2		
		1	●	

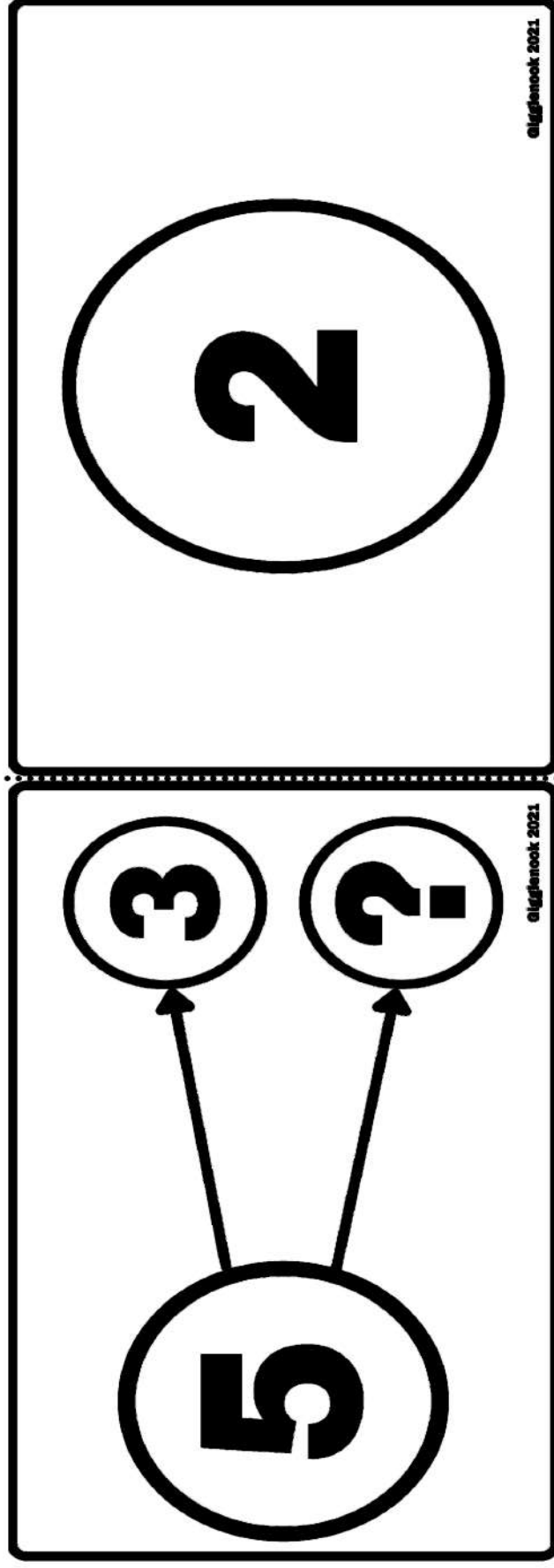


		2		Gigglenook
10 - 10		1		
		0	●	

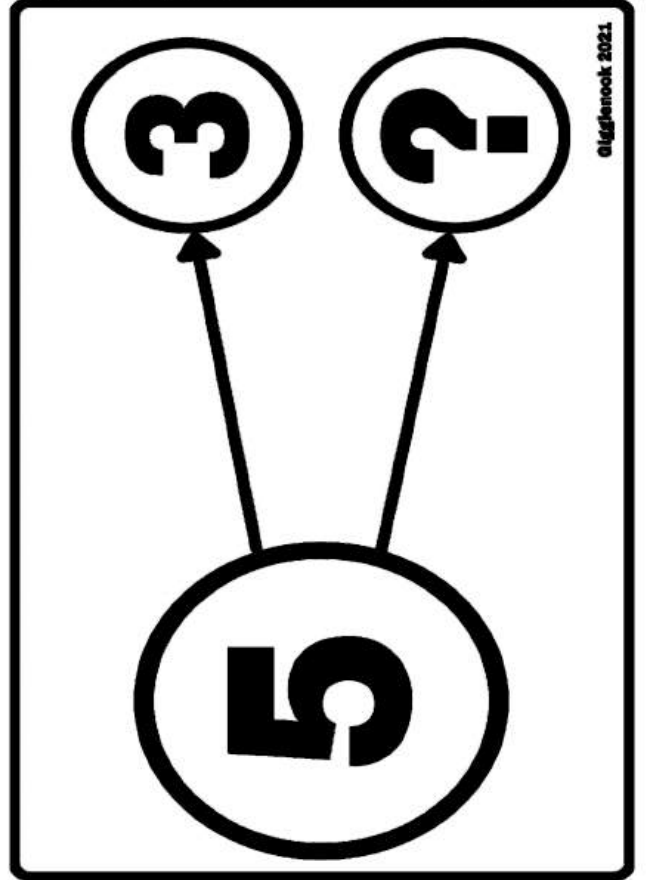
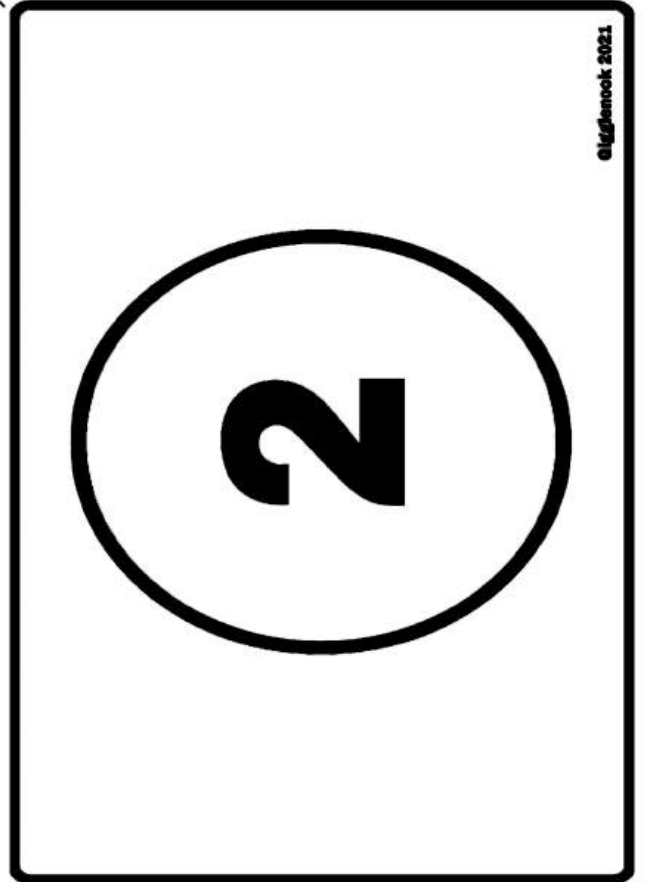
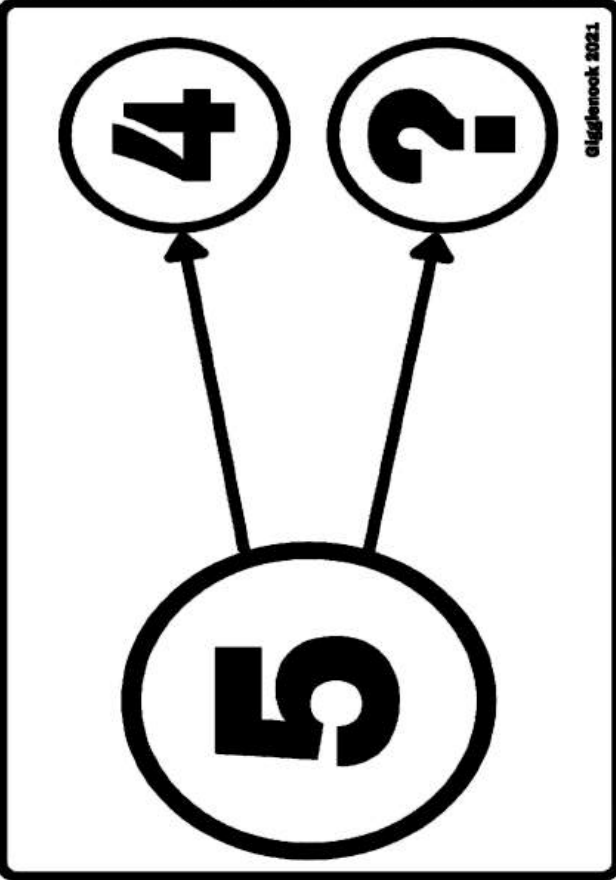
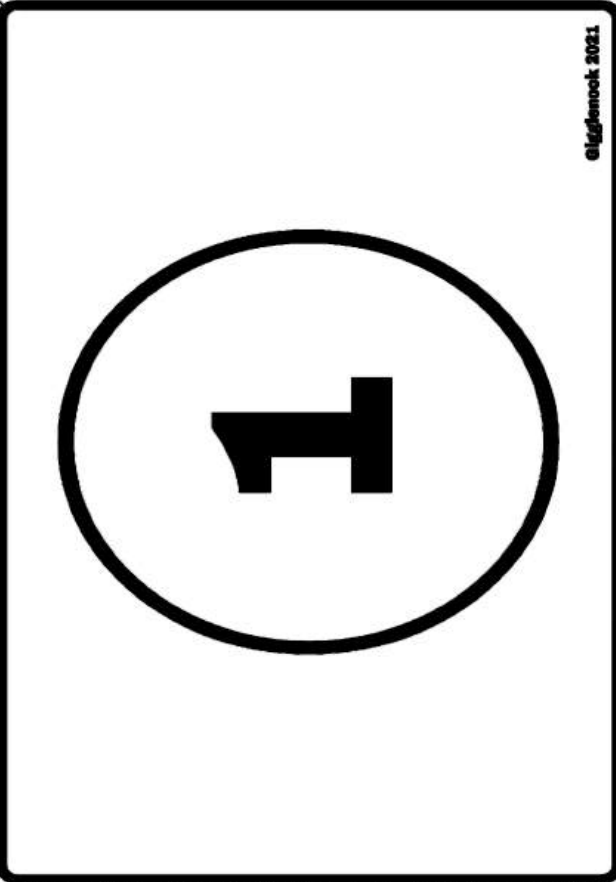
NUMBER BONDS

NUMBER BONDS

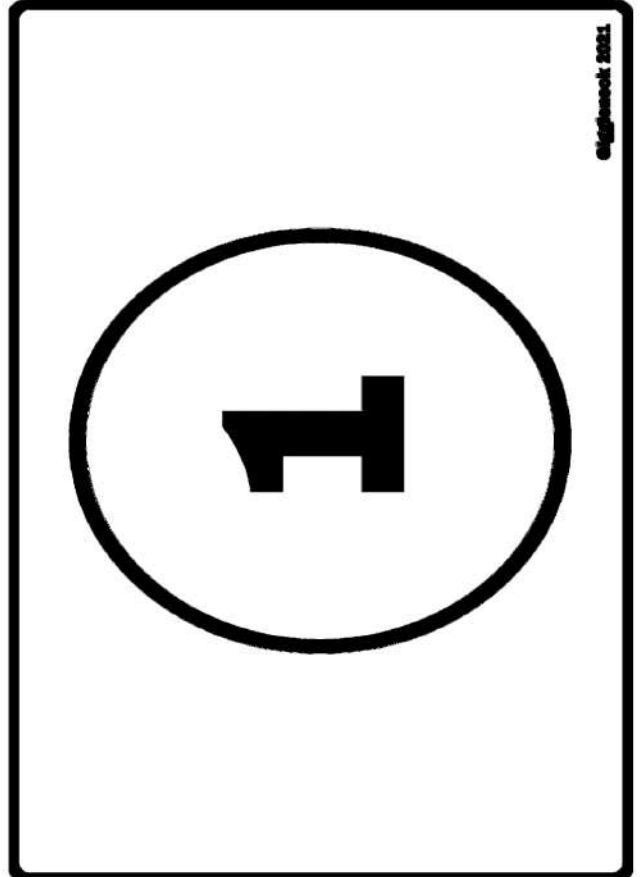
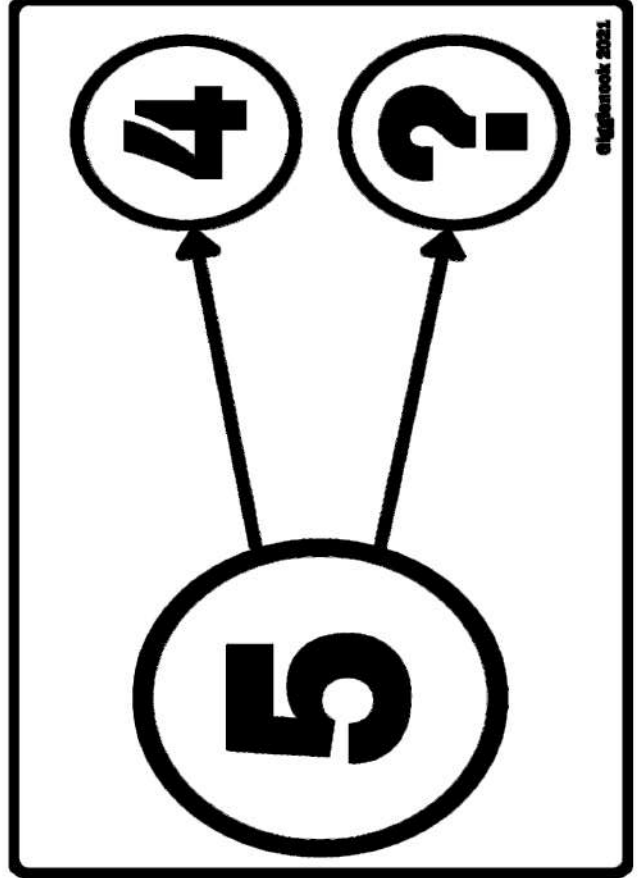
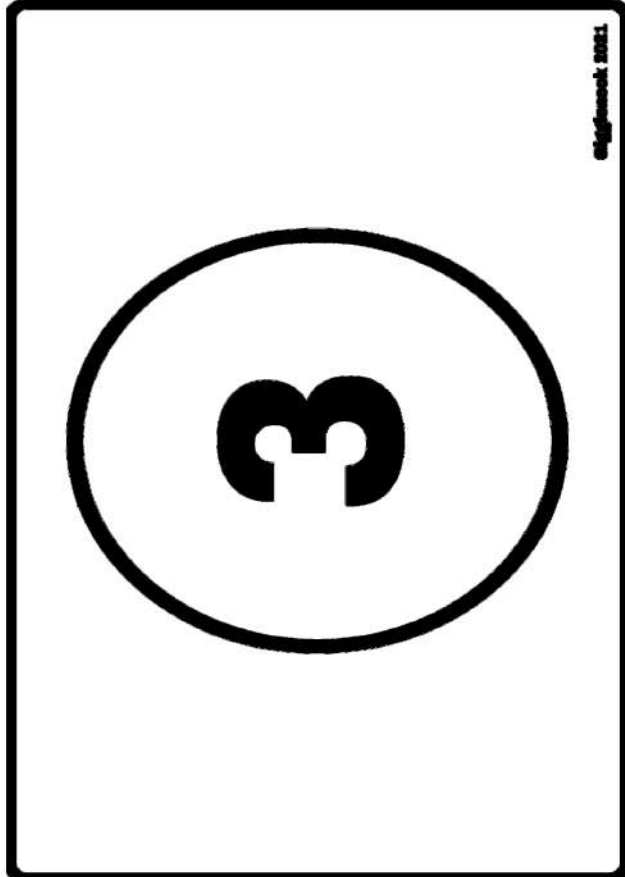
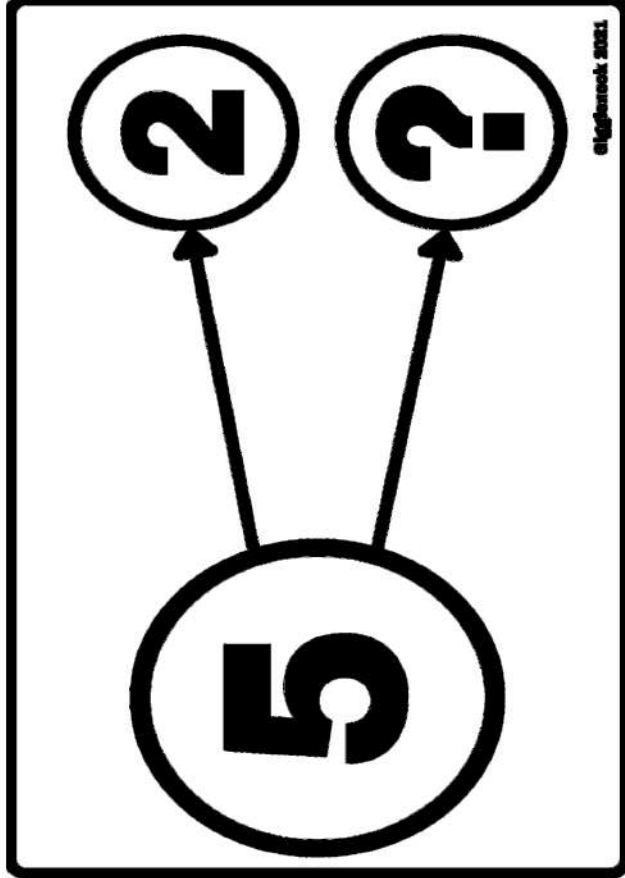
Numbers bonds cards are a great way to develop whole part thinking. Students should work with these and explain how they found the answer. They could either count up or count back. These cards are great to practice along with part part whole cards.



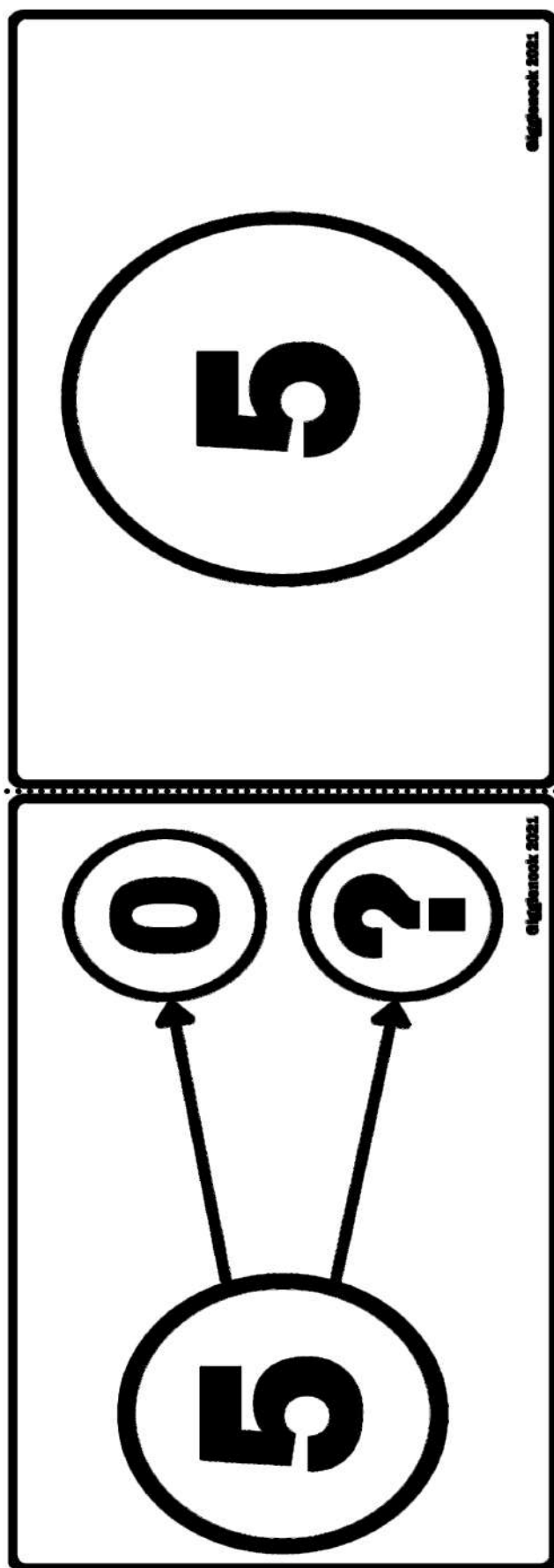
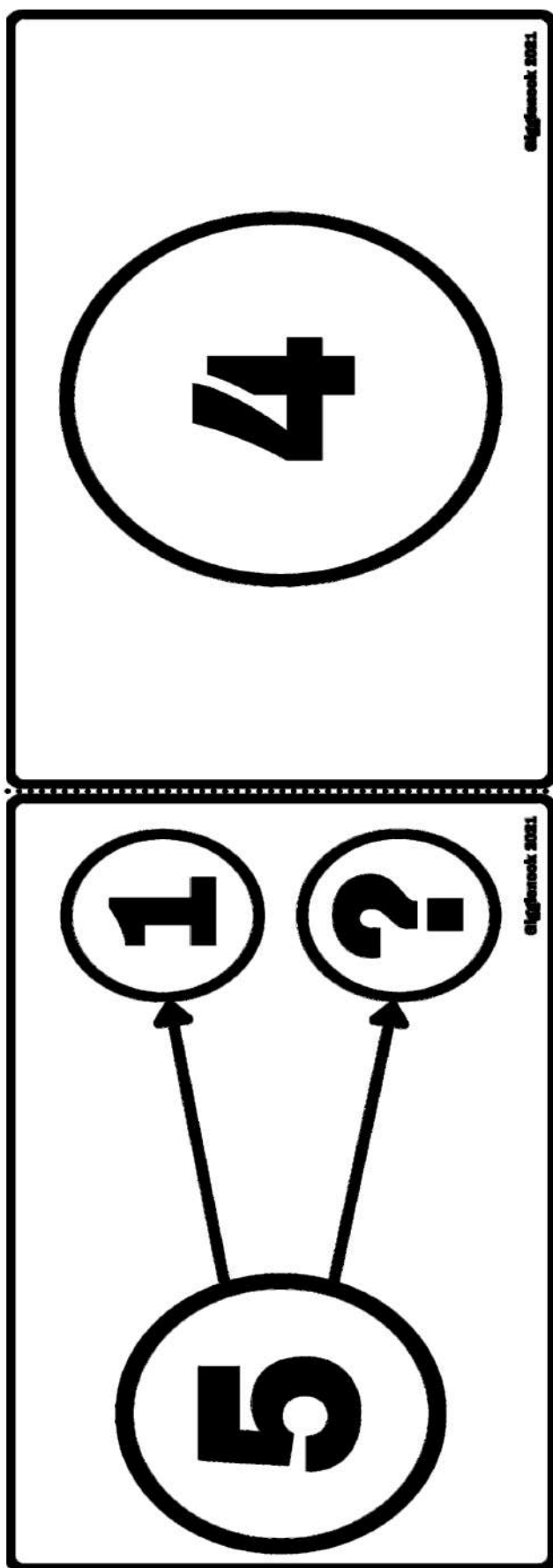
NUMBER BONDS



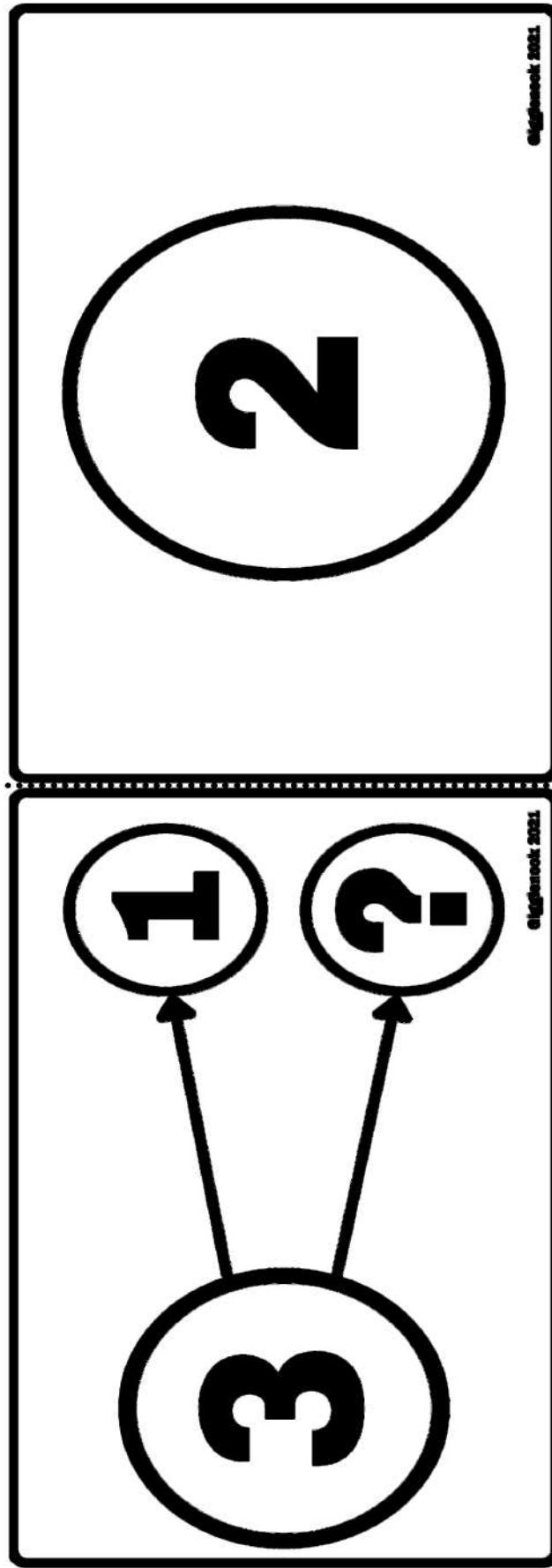
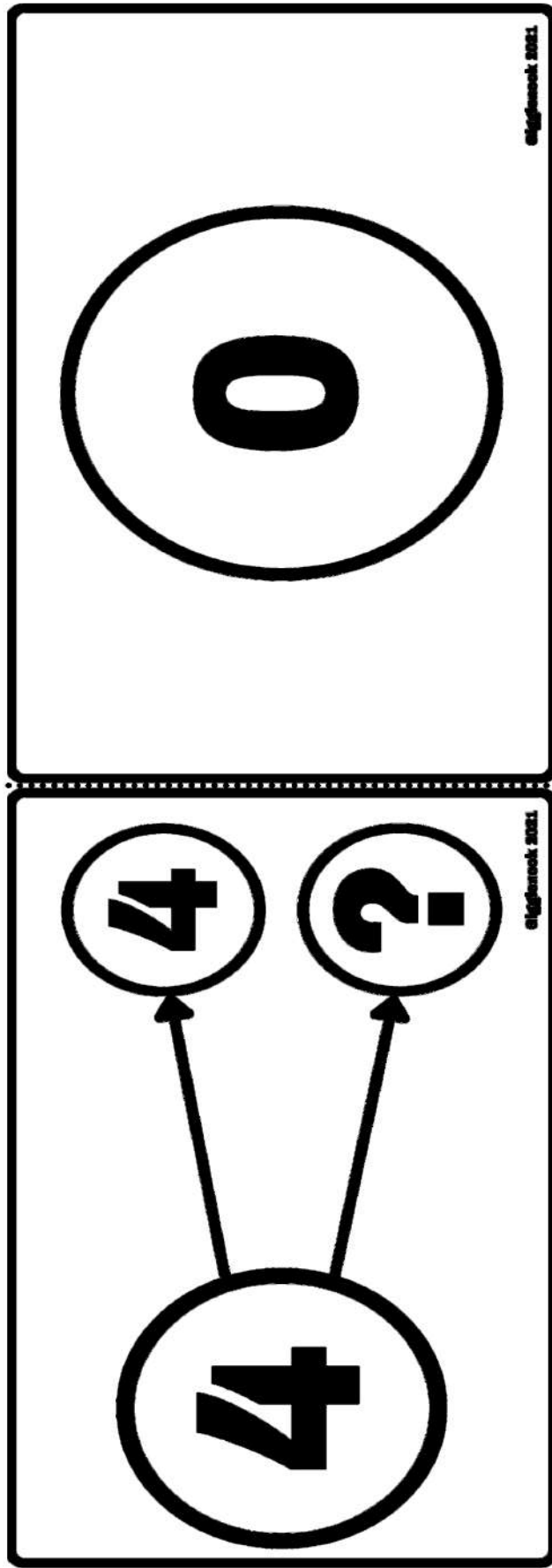
NUMBER BONDS



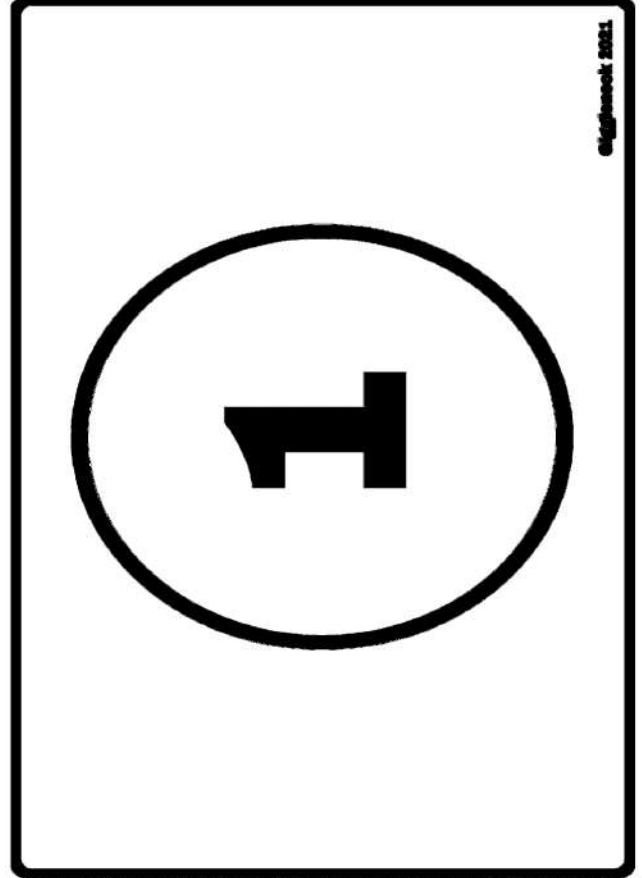
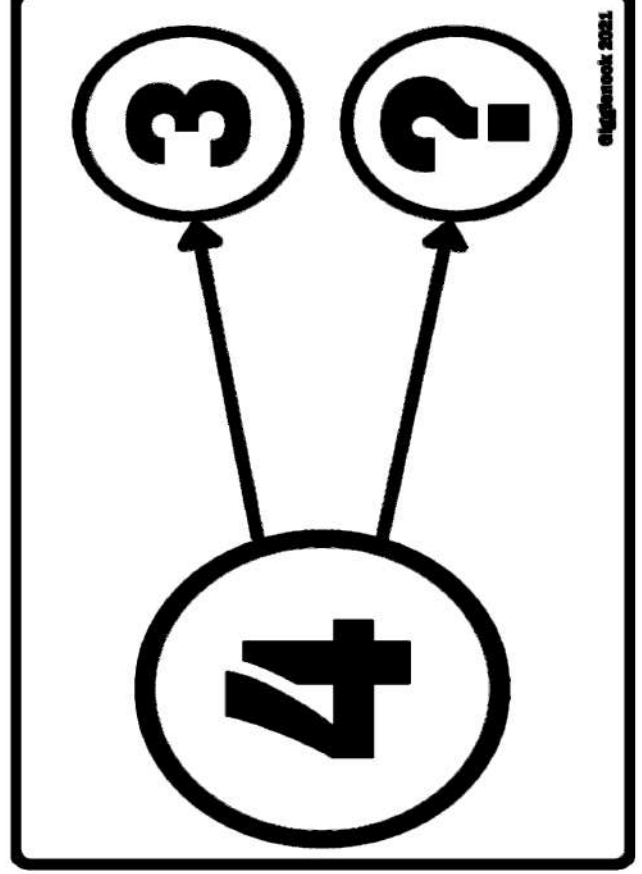
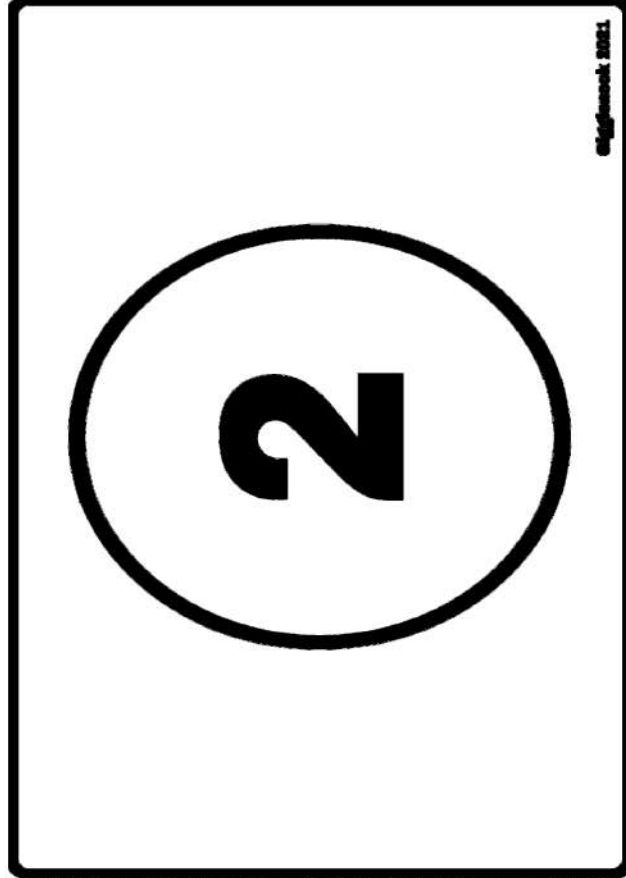
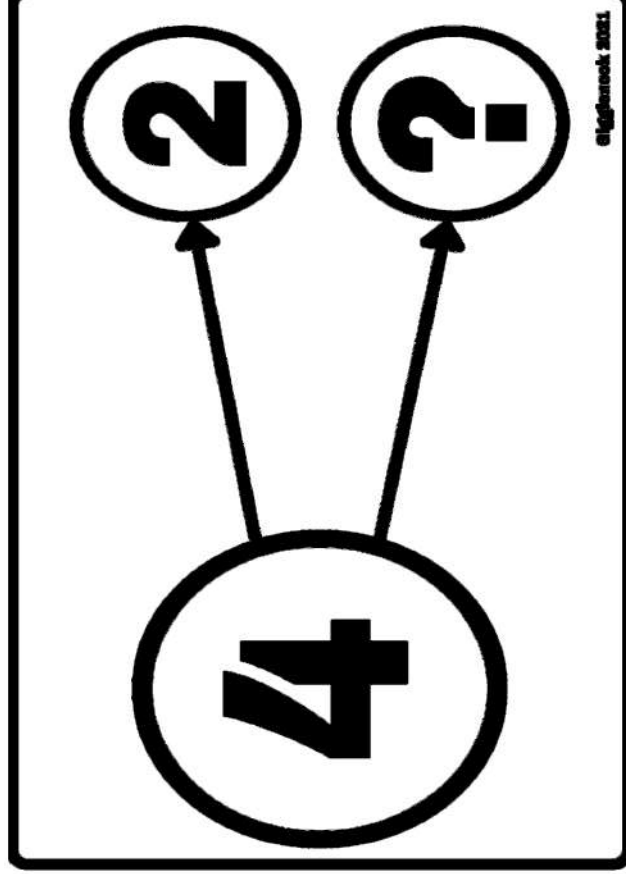
NUMBER BONDS



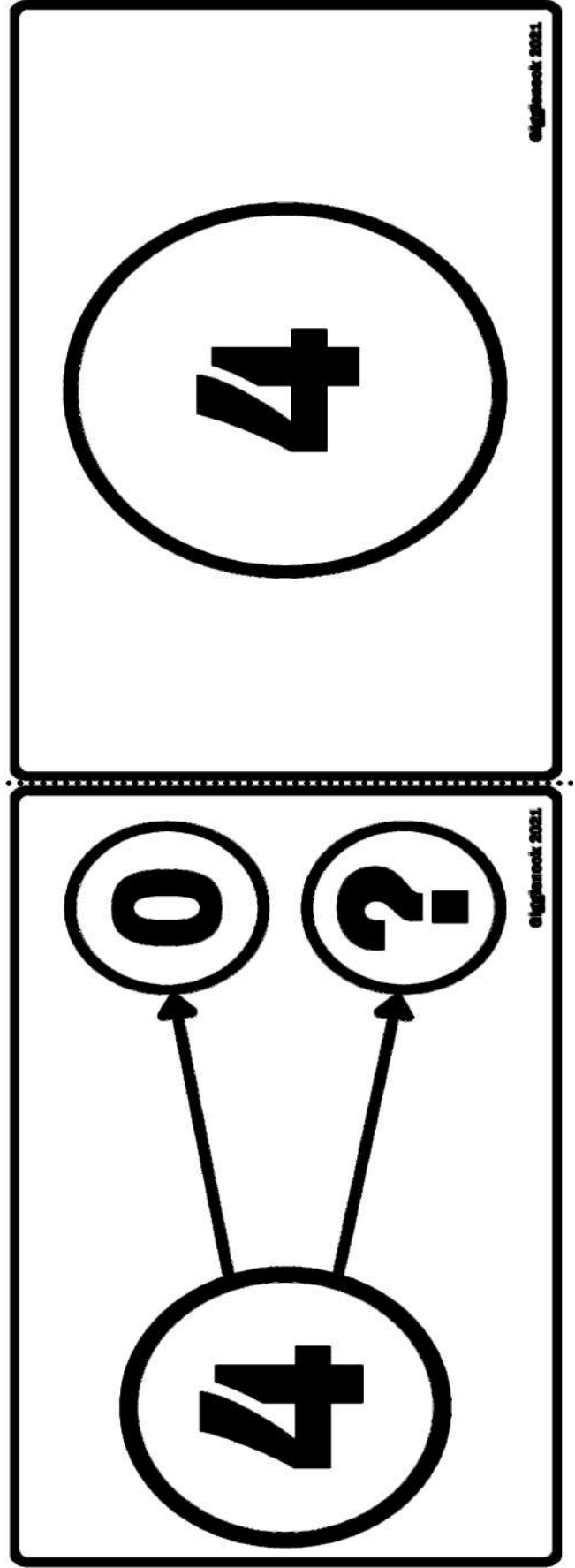
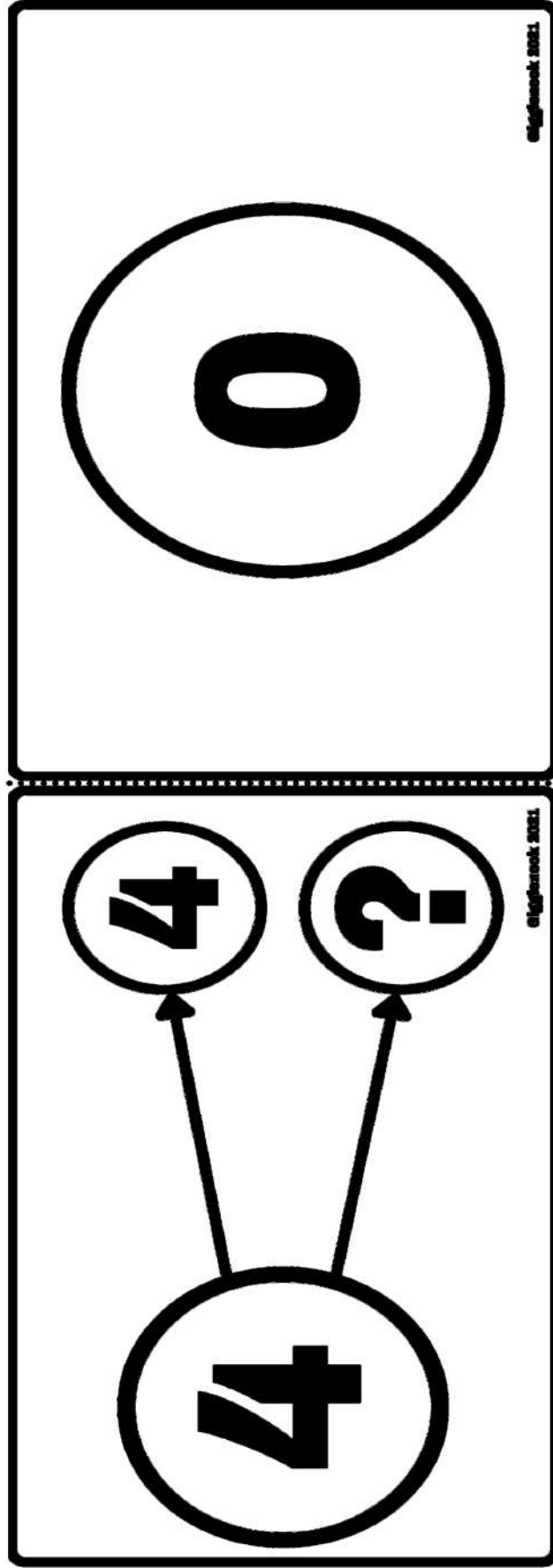
NUMBER BONDS



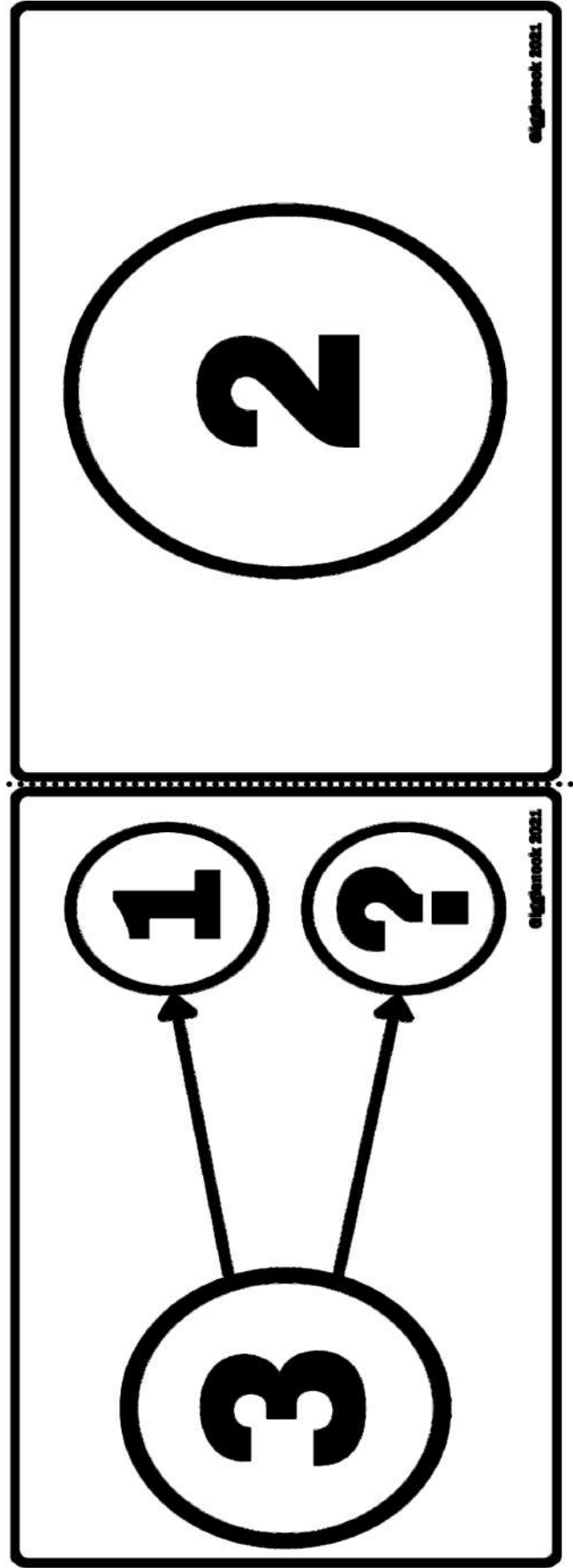
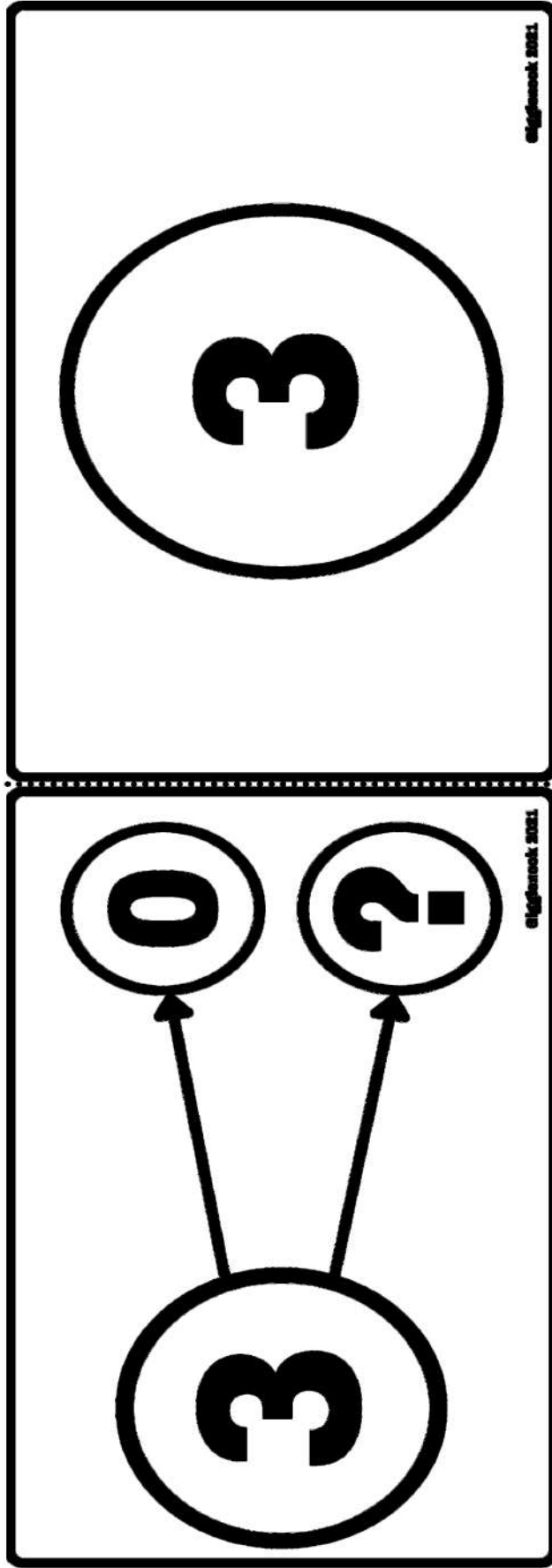
NUMBER BONDS



NUMBER BONDS



NUMBER BONDS



NUMBER BONDS

A number bond diagram showing a large circle at the bottom containing the number 3. Two arrows point from this circle to two smaller circles above it. The left circle contains the number 3, and the right circle contains a question mark.

A card with a large circle in the center containing the number 0.

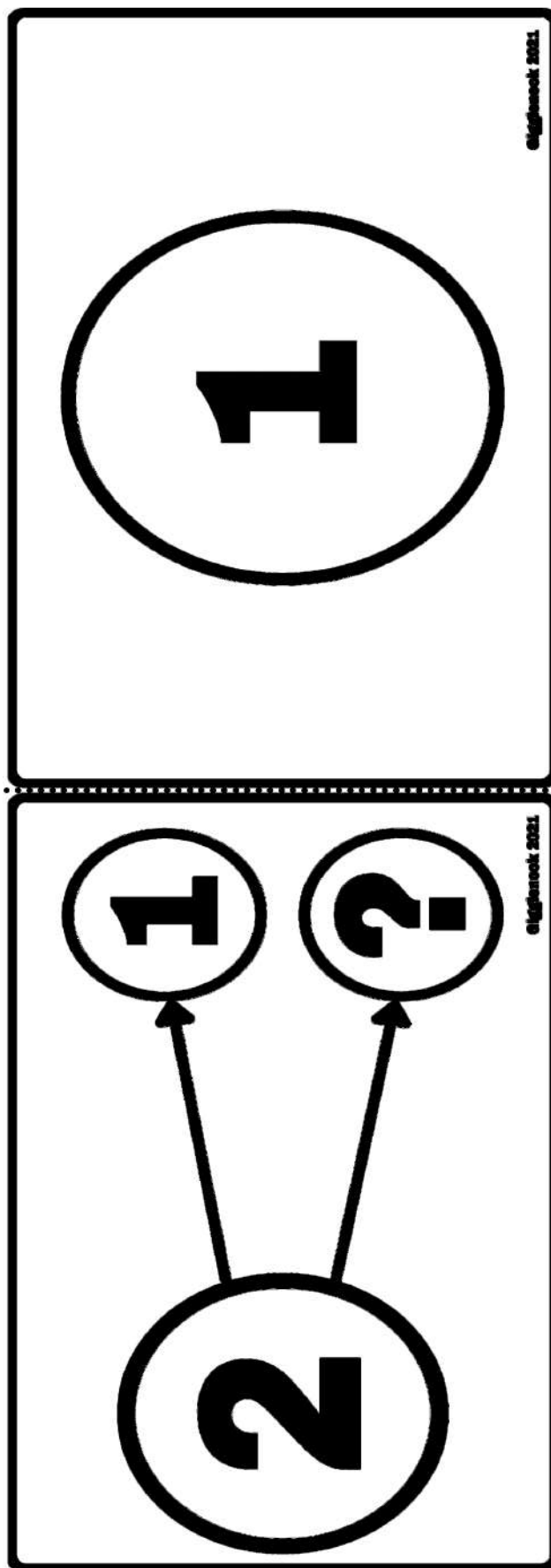
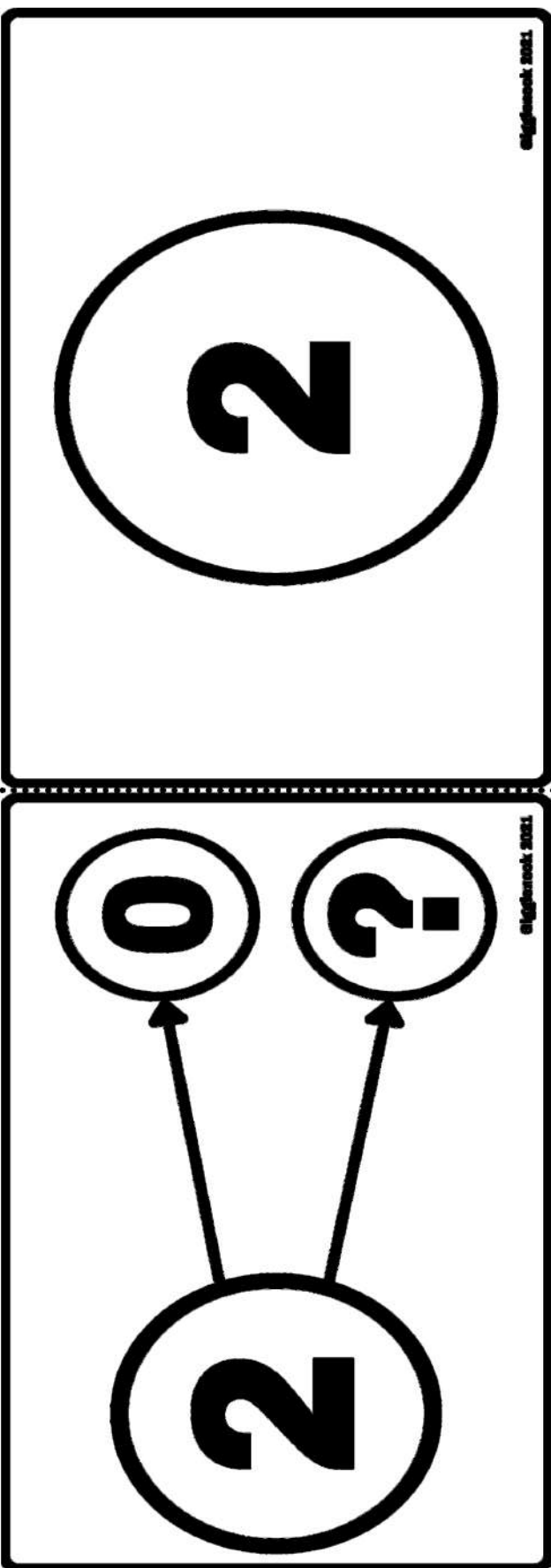
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A number bond diagram showing a large circle at the bottom containing the number 3. Two arrows point from this circle to two smaller circles above it. The left circle contains the number 2, and the right circle contains a question mark.

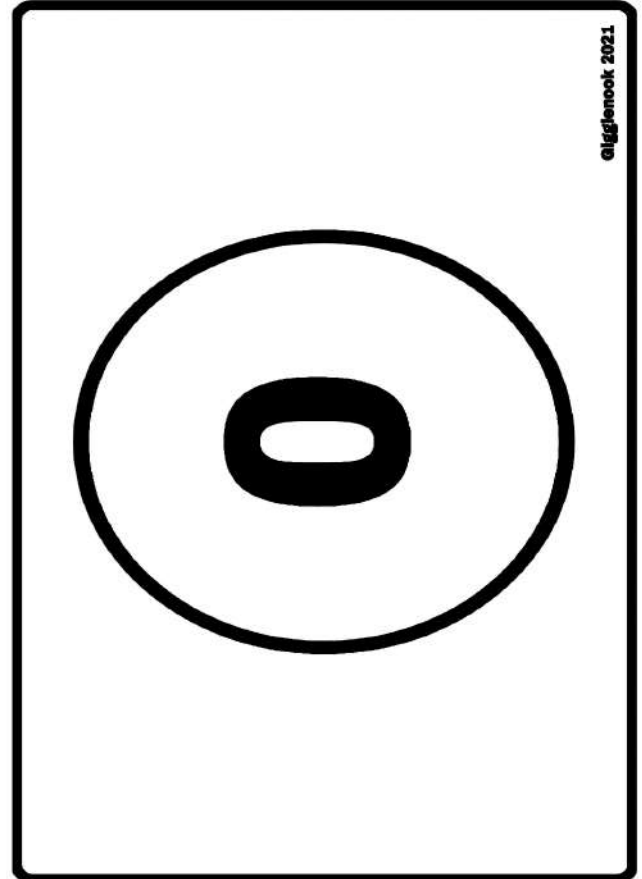
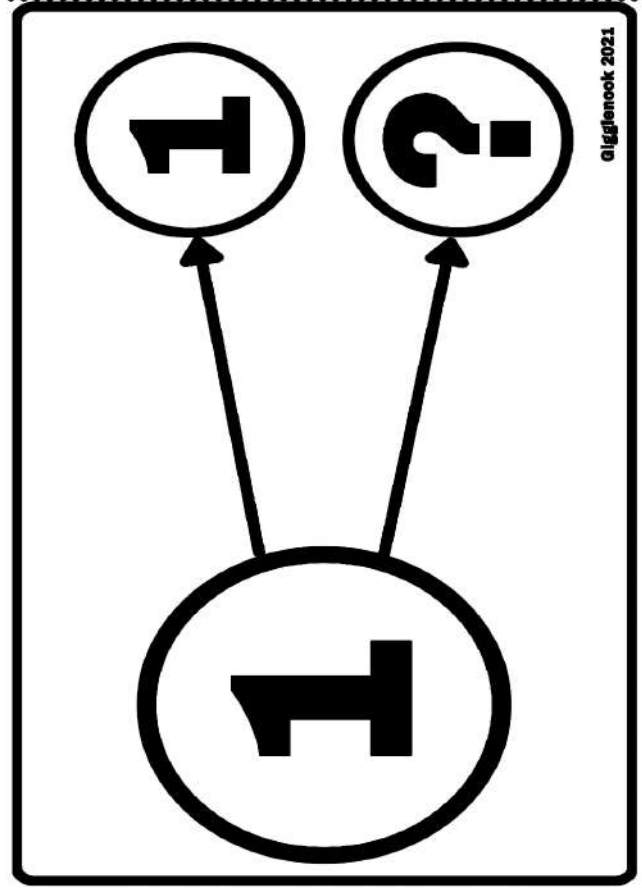
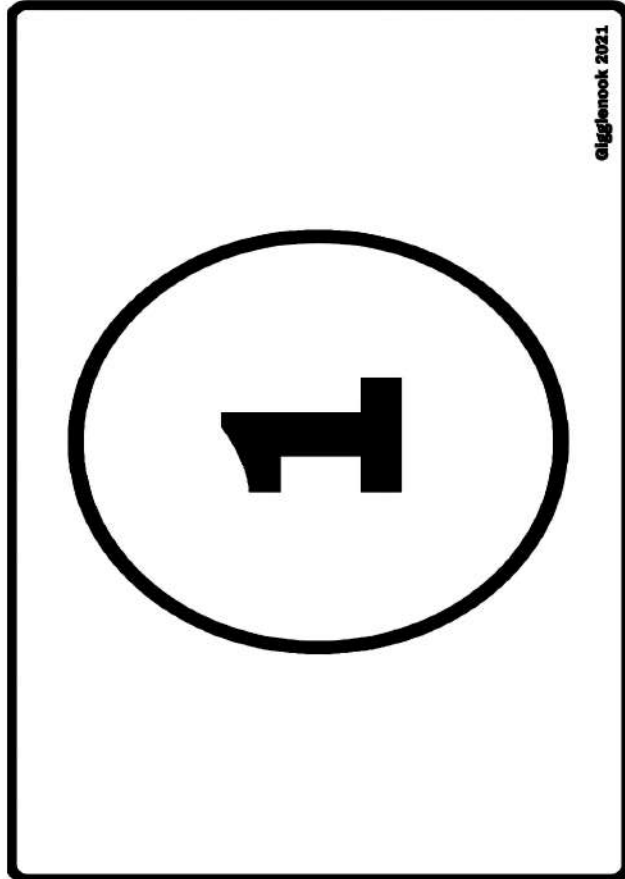
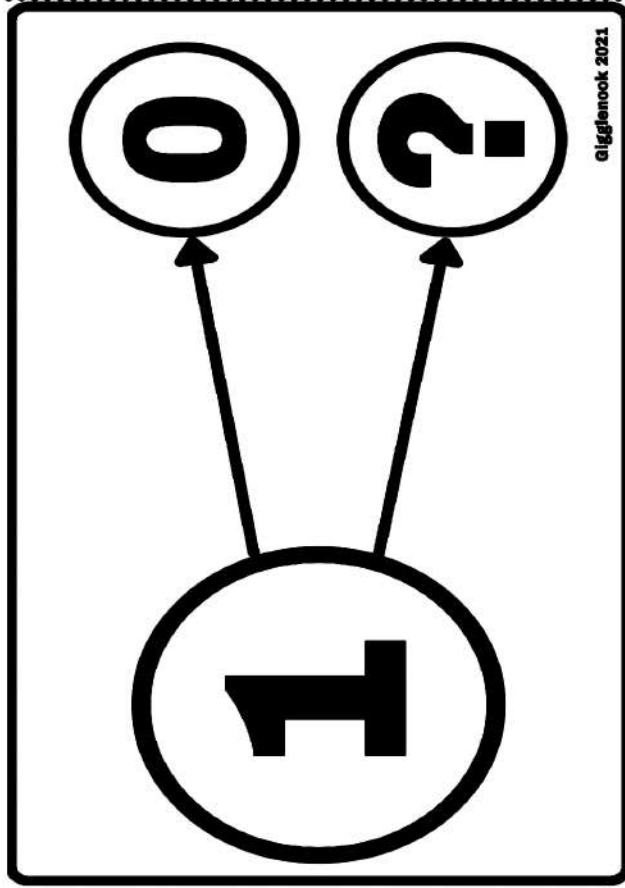
A card with a large circle in the center containing the number 1.

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NUMBER BONDS



NUMBER BONDS



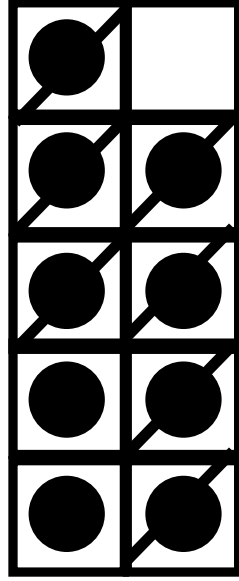
**DIFFERENCES
OF 1 OR 2
(TEN FRAME)**

DIFFERENCES OF 1 or 2

Students should recognize differences of 1 or 2. They should not have to count but recognize that if the numbers are side by side they will have a difference of 1. They should also recognize numbers that are 2 apart. This takes practice and work with number lines so they have a conceptual understanding of what they are doing.



$$9 - 7$$



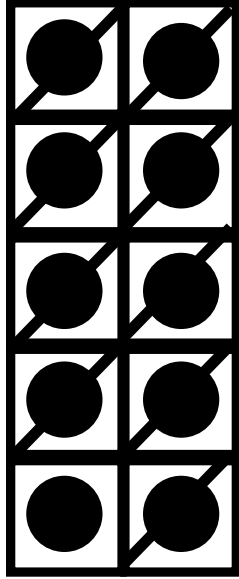
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2

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DIFFERENCES OF 1 or 2

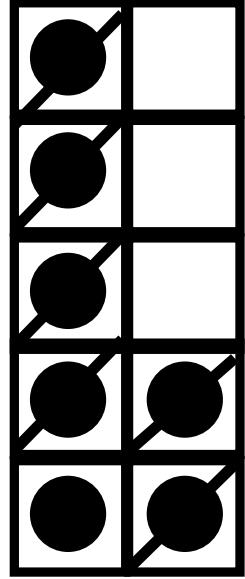
$$10 - 9$$



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$$7 - 6$$

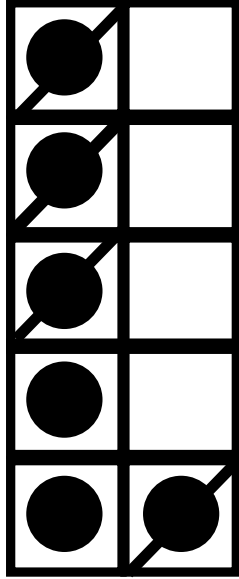


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DIFFERENCES OF 1 or 2

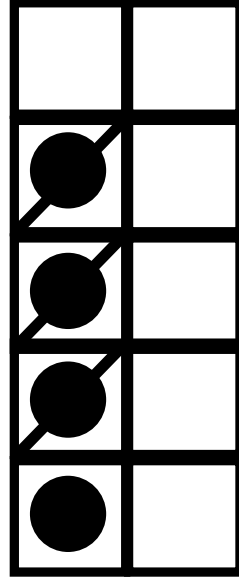
$$6 - 4$$



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$$4 - 3$$



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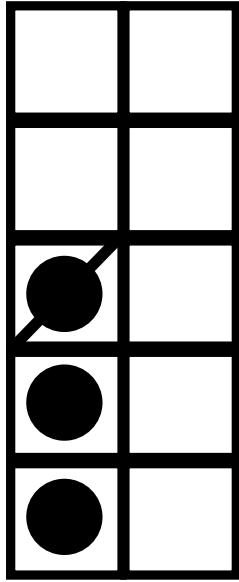
www.mathfactfluencyplayground.com

2

1

DIFFERENCES OF 1 or 2

$$3 - 1$$

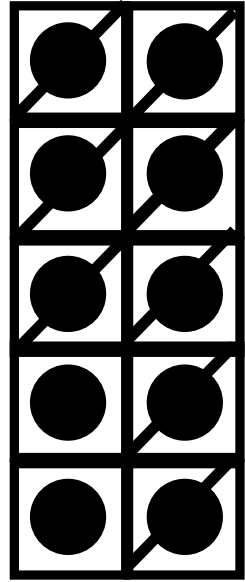


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2

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$$10 - 8$$



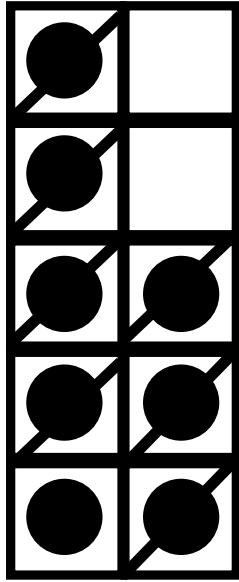
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2

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DIFFERENCES OF 1 or 2

$$8 - 7$$

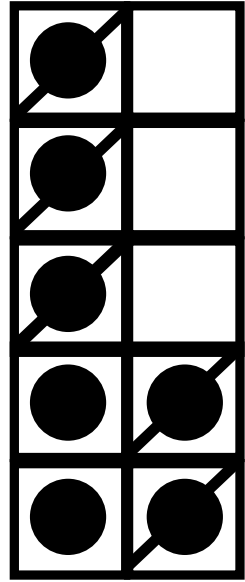


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1

$$7 - 5$$



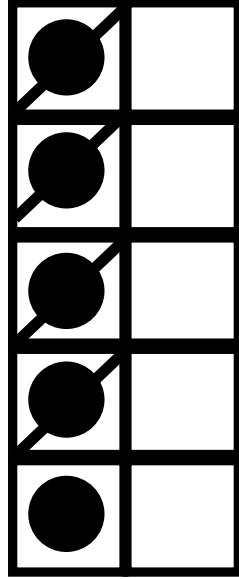
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2

DIFFERENCES OF 1 or 2

$$5 - 4$$

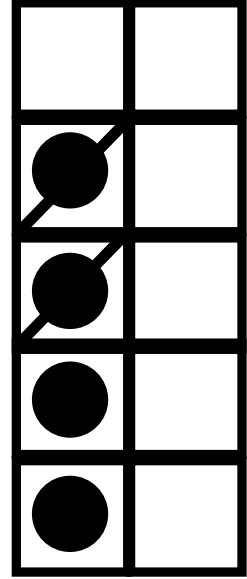


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1

$$4 - 2$$



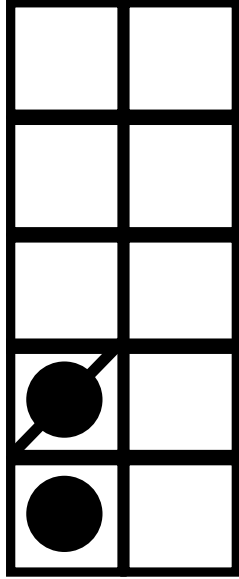
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2

DIFFERENCES OF 1 or 2

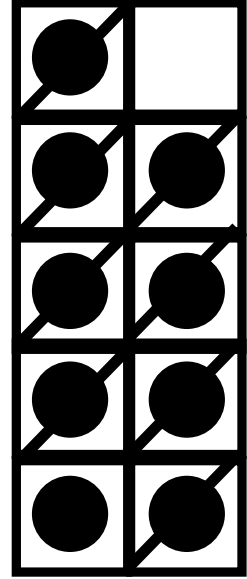
$$2 - 1$$



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$$9 - 8$$

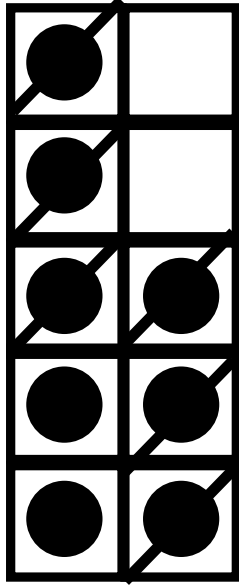


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DIFFERENCES OF 1 or 2

$$8 - 6$$

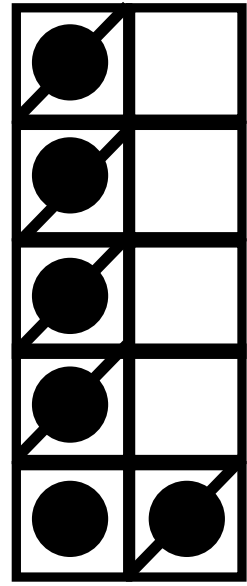


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2

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$$6 - 5$$



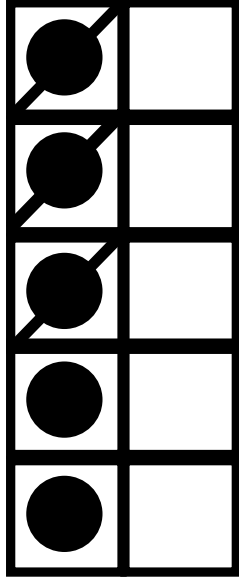
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1

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DIFFERENCES OF 1 or 2

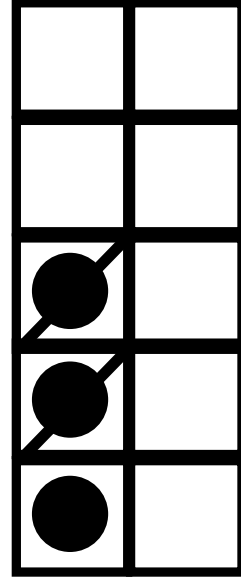
$$5 - 3$$



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$$3 - 2$$



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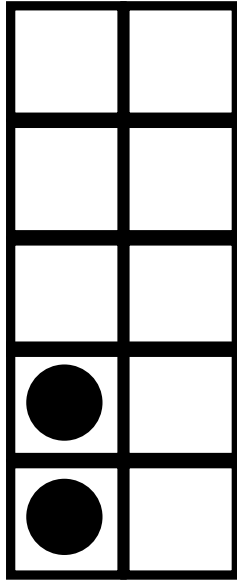
2

1

DIFFERENCES OF 1 or 2



$$2 - 0$$



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2

www.mathfactfluencyplayground.com

DIFFERENCES OF 1 or 2



9 - 7	2
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10 - 9	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

DIFFERENCES OF 1 or 2



7 - 6

www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

6 - 4

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

DIFFERENCES OF 1 or 2



4 - 3 www.mathfactfluencyplayground.com	1 www.mathfactfluencyplayground.com
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3 - 1 www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
--	--

DIFFERENCES OF 1 or 2



10 - 8 www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
---	--



8 - 7 www.mathfactfluencyplayground.com	1 www.mathfactfluencyplayground.com
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DIFFERENCES OF 1 or 2



7 - 5

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

5 - 4

www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

DIFFERENCES OF 1 or 2

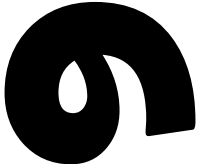
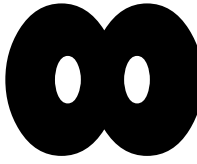



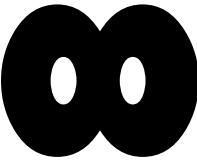
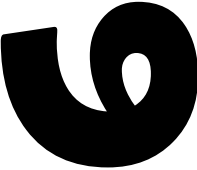

4 - 2 www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
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2 - 1 www.mathfactfluencyplayground.com	1 www.mathfactfluencyplayground.com
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DIFFERENCES OF 1 or 2



 - 	
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

 - 	
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

DIFFERENCES OF 1 or 2



6 - 5 www.mathfactfluencyplayground.com	1 www.mathfactfluencyplayground.com
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5 - 3 www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
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DIFFERENCES OF 1 or 2



3 - 2	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

2 - 0	2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

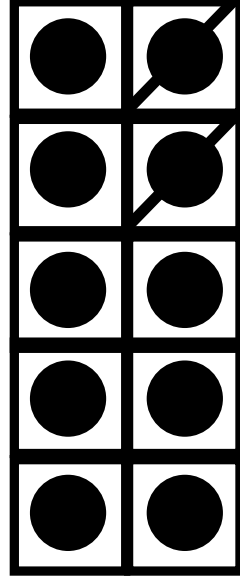
**SUBTRACTING
WITHIN 10
(TEN FRAMES)**

SUBTRACTING WITHIN 10

In many states, the first grade fluency is addition and subtraction within 10. Students need many concrete, pictorial and abstract activities that help them build a conceptual understanding of subtraction so that they will gain procedural fluency.



$$10 - 2$$



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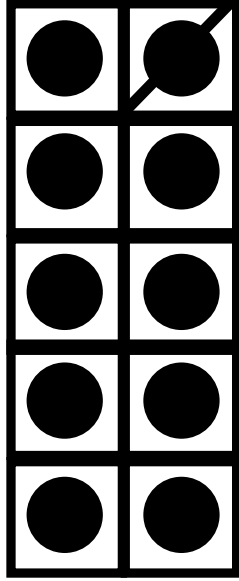
8

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SUBTRACTING WITHIN 10



$$10 - 1$$



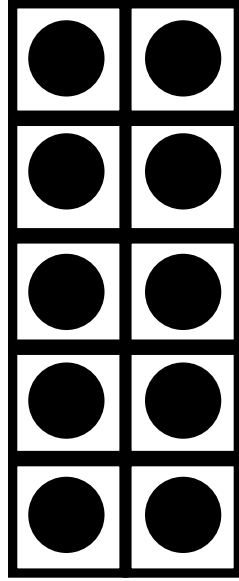
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9

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$$10 - 0$$



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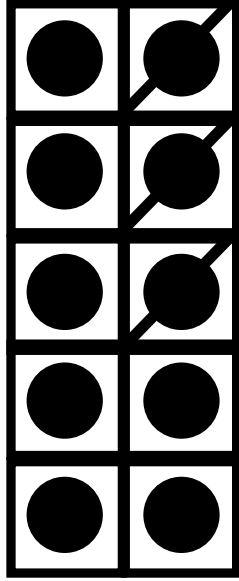
10

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SUBTRACTING WITHIN 10



$$10 - 3$$



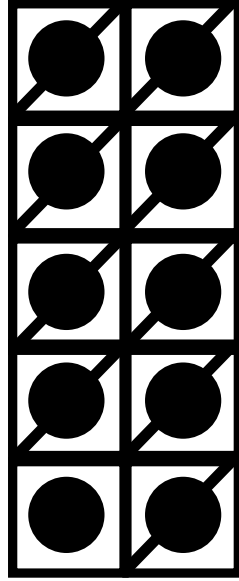
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7

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$$10 - 9$$



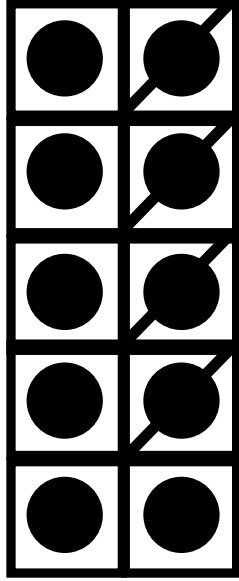
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1

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SUBTRACTING WITHIN 10

$$10 - 4$$

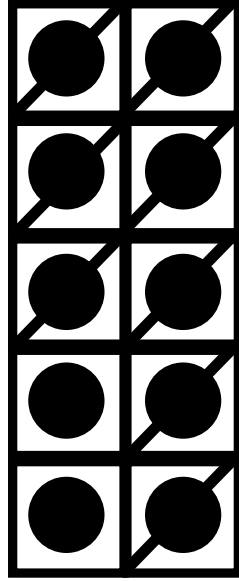


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6

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$$10 - 8$$



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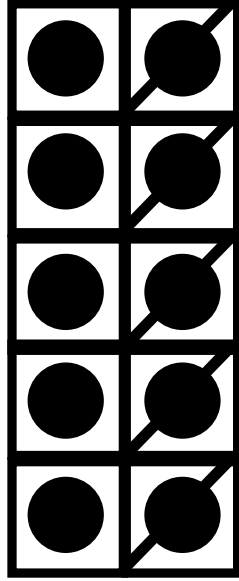
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SUBTRACTING WITHIN 10



$$10 - 5$$



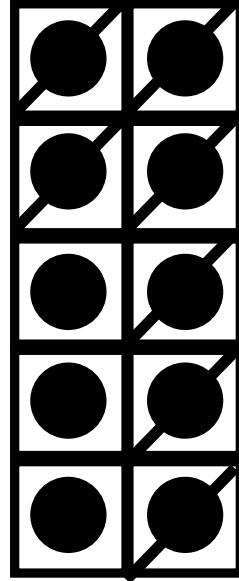
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5

www.mathfactfluencyplayground.com



$$10 - 7$$



www.mathfactfluencyplayground.com

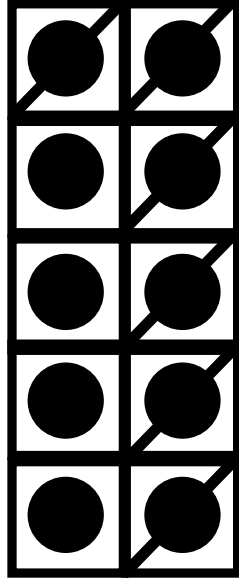
3

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SUBTRACTING WITHIN 10



$$10 - 6$$



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4

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SUBTRACTING WITHIN 10



10 - 2 www.mathfactfluencyplayground.com	8 www.mathfactfluencyplayground.com
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10 - 1 www.mathfactfluencyplayground.com	9 www.mathfactfluencyplayground.com
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SUBTRACTING WITHIN 10



10 - 0	10
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com



10 - 3	7
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

SUBTRACTING WITHIN 10



10	-	9
www.mathfactfluencyplayground.com		
1		
www.mathfactfluencyplayground.com		



10	-	4
www.mathfactfluencyplayground.com		
6		
www.mathfactfluencyplayground.com		

SUBTRACTING WITHIN 10



10	-	8	2
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com	



10	-	5	5
www.mathfactfluencyplayground.com		www.mathfactfluencyplayground.com	

SUBTRACTING WITHIN 10



10 - 7 www.mathfactfluencyplayground.com	3 www.mathfactfluencyplayground.com
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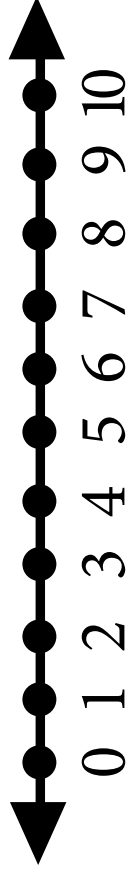


10 - 6 www.mathfactfluencyplayground.com	4 www.mathfactfluencyplayground.com
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MISSING NUMBERS TO 10



$$5 - ? = 3$$



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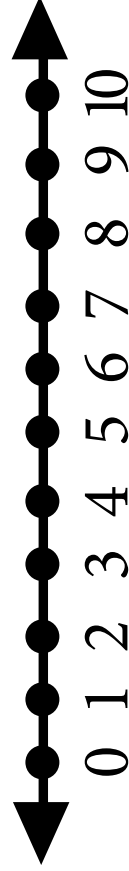
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2



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

$$8 - ? = 5$$



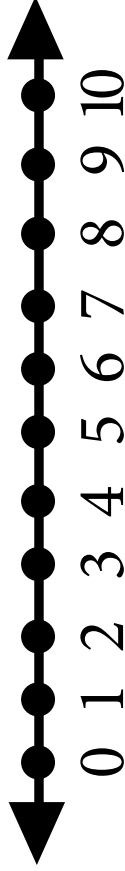
www.mathfactfluencyplayground.com

www.mathfactfluencyplayground.com

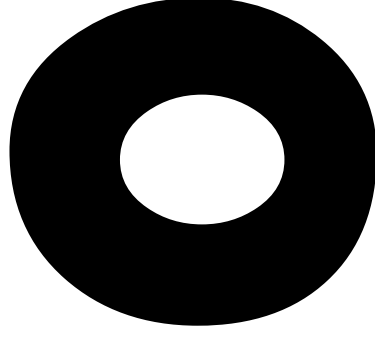
3

MISSING NUMBERS TO 10

$$3 - ? = 3$$



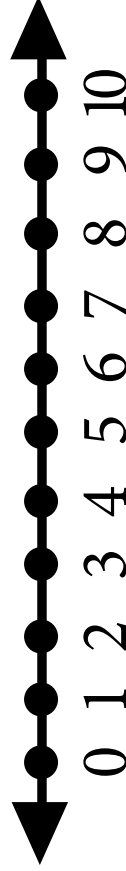
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***Look for doubles and make ten facts first**

$$7 - ? = 6$$



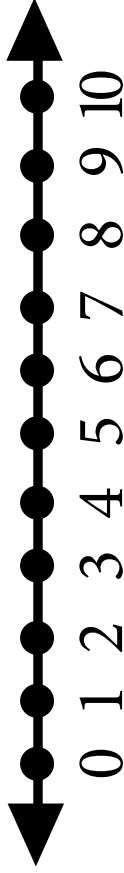
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www.mathfactfluencyplayground.com

MISSING NUMBERS TO 10

$$9 - ? = 5$$



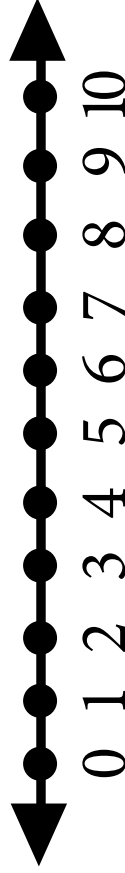
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4

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

$$8 - ? = 5$$



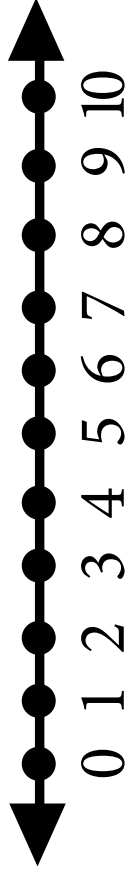
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3

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MISSING NUMBERS TO 10

$$10 - ? = 5$$



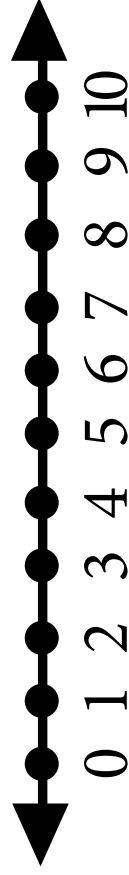
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5

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

$$8 - ? = 1$$



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7

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MISSING NUMBERS TO 10



$$9 - ? = 0$$



0 1 2 3 4 5 6 7 8 9 10

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9

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

$$9 - ? = 1$$



0 1 2 3 4 5 6 7 8 9 10

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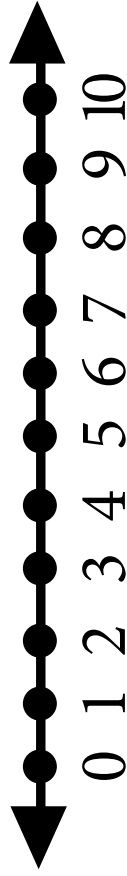
8

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MISSING NUMBERS TO 10



10 - ? = 10



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10

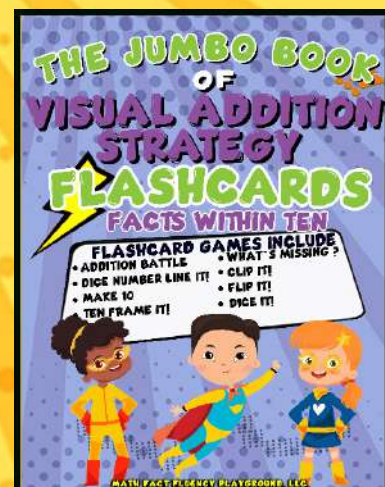
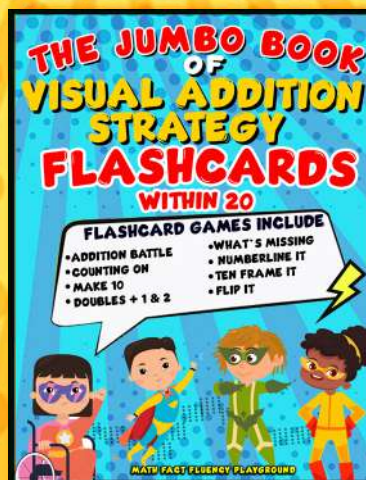
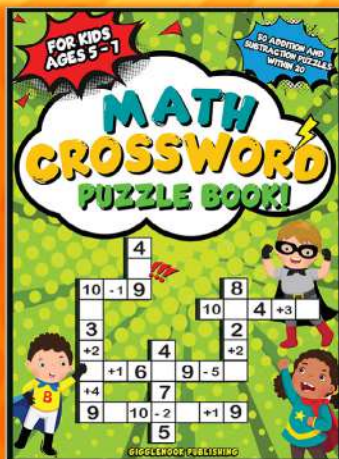
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This activity book was created to help students with their basic addition and subtraction facts. It is a fun and engaging way for students to practice their fundamental math facts. Purposeful, intentional practice read over time helps students to learn their facts.

⚡

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