THE JUMBO BOOK OF VISUAL ADDITION STRATEGY FLASHCARDS

FACTS WITHIN TEN

FLASHCARD GAMES INCLUDE

- ADDITION BATTLE
- DICE NUMBER LINE IT!
- MAKE 10
- TEN FRAME IT!
- WHAT'S MISSING
- CLIP IT!
- FLIP IT!
- DICE IT!

MATH FACT FLUENCY PLAYGROUND, LLC.

THE JUMBO BOOK OF VISUAL ADDITION STRATEGY FLASHCARDS (WITHIN 10)

MATH FACT FLUENCY PLAYGROUND LLC
BRIDGEPORT, CT

978-1-963381-13-9

Published by
Math Fact Fluency Playground LLC

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Flashcards created by
Dr. Nicki Newton

TABLE OF CONTENTS

EXERCISING YOUR BRAIN!

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

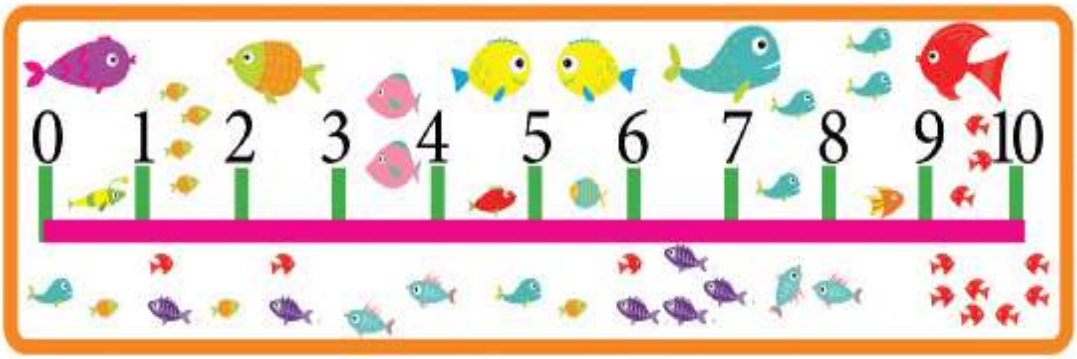
1. GETTING THE CORRECT ANSWER AND KNOWING HOW TO EXPLAIN IT.
2. BEING ABLE TO THINK FLEXIBLY (KNOWING LOTS OF WAYS TO PLAY AROUND WITH THE NUMBERS).
3. BEING EFFICIENT (WHICH MEANS YOU CAN FIND A WAY TO DO IT THAT IS QUICK AND EASY)!

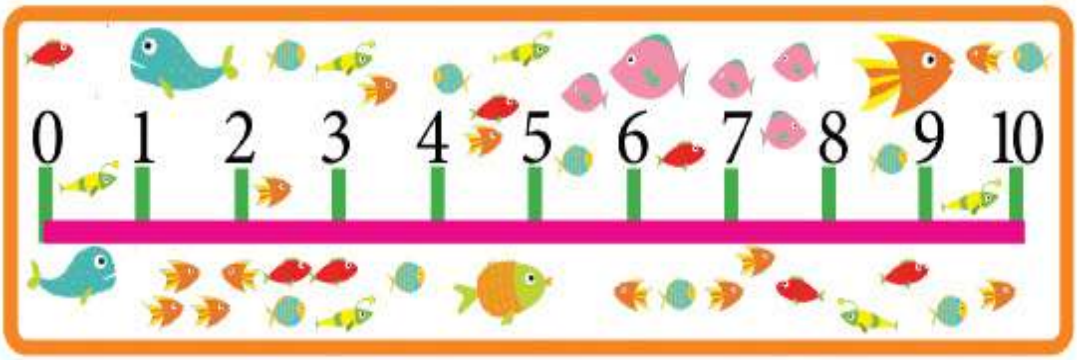
PRACTICING IN MANY DIFFERENT WAYS WILL HELP YOU TO BECOME AUTOMATIC! THIS MEANS YOU DON'T EVEN HAVE TO THINK ABOUT THE PROBLEM, YOU JUST KNOW IT!

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!





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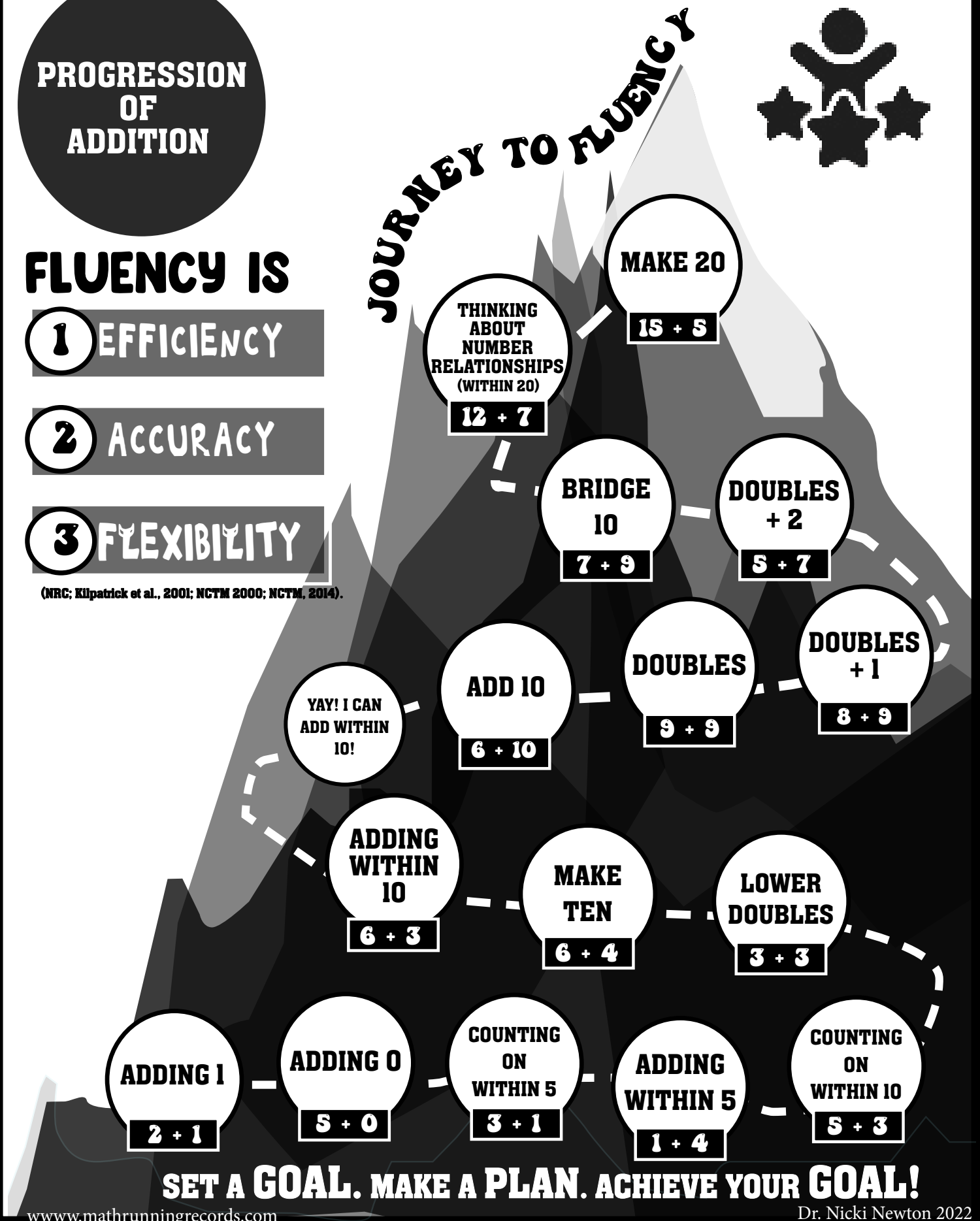
PROGRESSION OF ADDITION

FLUENCY IS

1. EFFICIENCY
2. ACCURACY
3. FLEXIBILITY

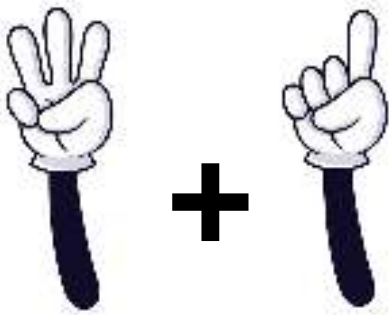
(NRC; Kilpatrick et al., 2001; NCTM 2000; NCTM, 2014).



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

VISUAL ADDITION 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!



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$$\begin{array}{r} 2 \\ +3 \\ 2 \\ \hline \square \end{array}$$

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HAPPY MATHING,
DR. NICKI

THIS BOOK BELONGS TO

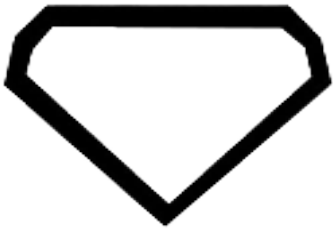
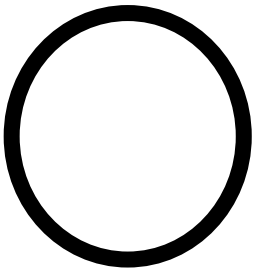
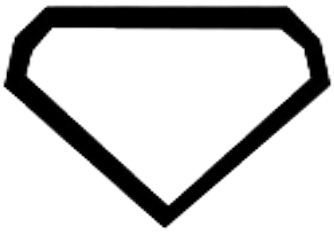
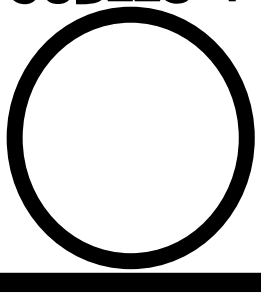
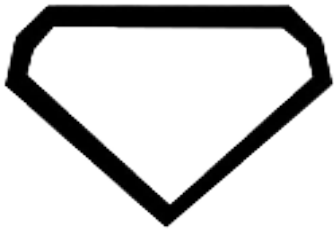
NAME

THE JUMBO BOOK OF VISUAL ADDITION STRATEGY FLASHCARDS

HOW TO PLAY:

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.

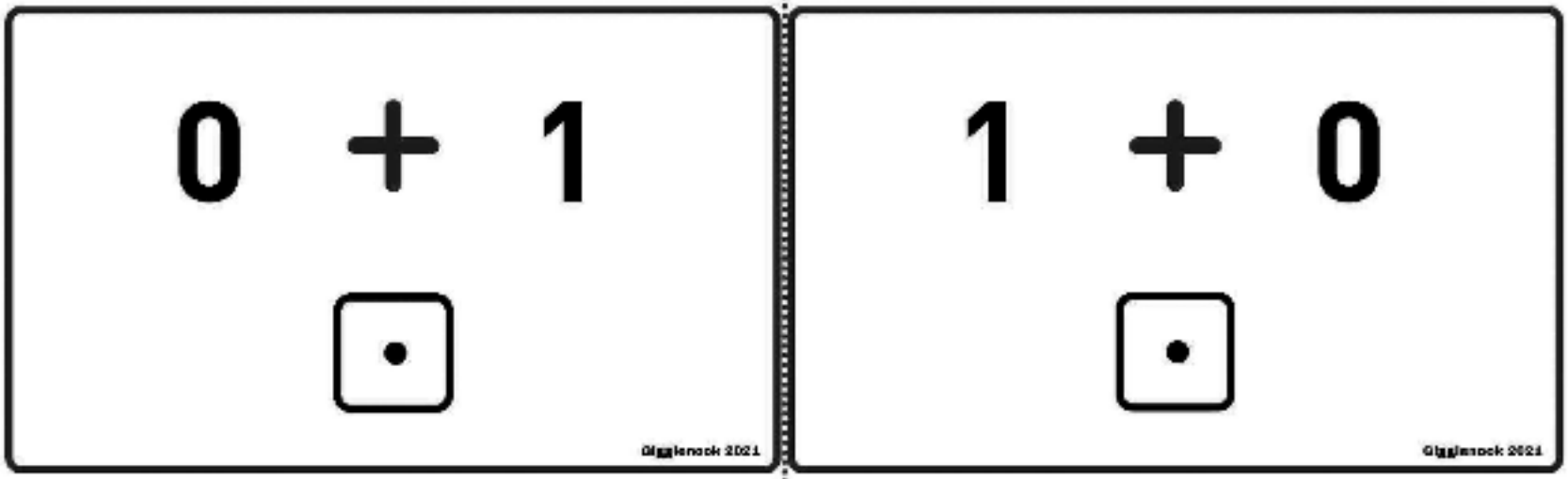
KEEP TRACK OF YOUR STRATEGY PRACTICE!

ADDING WITHIN 5 	COUNTING ON 
ADDING WITHIN 10 	MAKE 10 
ADD 10 	DOUBLES 
DOUBLES + 1 	DOUBLES + 2 
BRIDGE 10 	HIGHER ADDITION FACTS 

ADDING WITHIN 5 DICE

Adding within 5 Dice

With these cards students will work on adding within 5. It is important to relate the "turn around facts" to each other. The cards are made to be used front to back. Students need to see the turn around facts. They should learn to think about properties from the beginning.



0 + 2
0 + 3
2 + 0
3 + 0

0 + 4

4 + 0

0 + 5

5 + 0

1 + 2

2 + 1

1 + 3

3 + 1

1 + 4

4 + 1

2 + 3

3 + 2

1 + 1

1 + 1

Giggleneck 2021

2 + 2

Giggleneck 2021

2 + 2

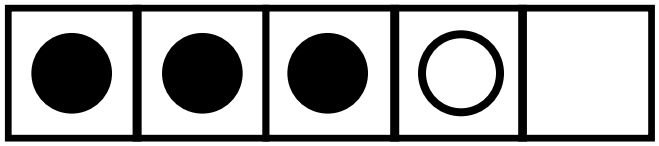
Giggleneck 2021

ADDING WITHIN 5 (5 FRAMES)

Adding within 5 (5 Frames)

The facts are modeled in a five frame so that students can visualize the facts. Students can play a match (cards face up and match) or concentration (cards face down) game. The goal is to find the expression and the correct sum. Students can also play sum war where they each pull a card and whoever has the highest sum keeps both cards. When all the cards are done, whoever has the most cards Wins.

3 + 1



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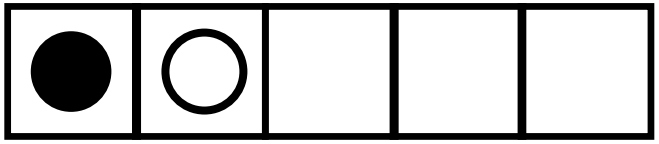
Cut, fold and glue back to back

ADDING WITHIN 5 (5 FRAMES)

1 + 1



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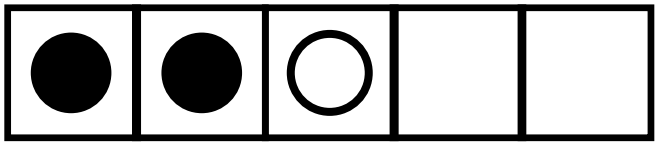
2 + 1



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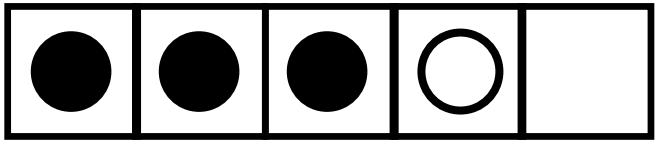
ADDING WITHIN 5 (5 FRAMES)

3 + 1



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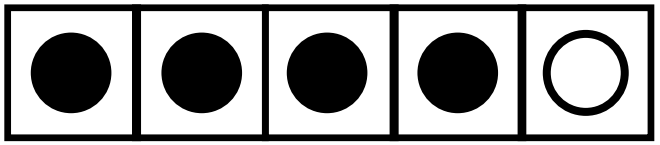
4 + 1



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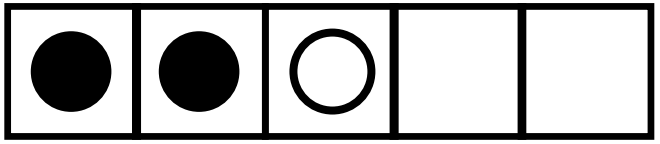
ADDING WITHIN 5 (5 FRAMES)

2 + 1



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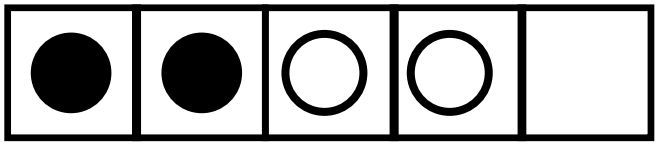
2 + 2



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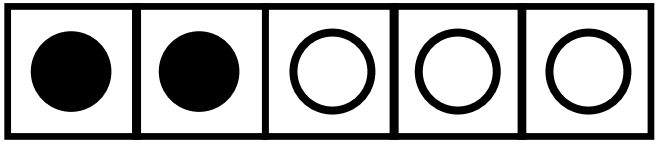
ADDING WITHIN 5 (5 FRAMES)

2 + 3



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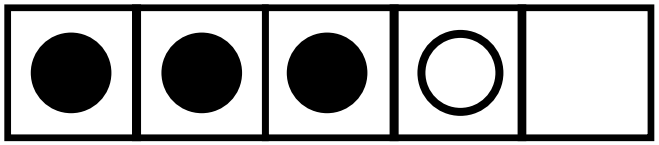
3 + 1



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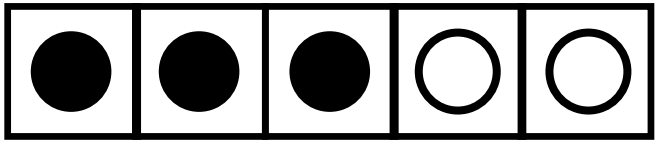
ADDING WITHIN 5 (5 FRAMES)

3 + 2



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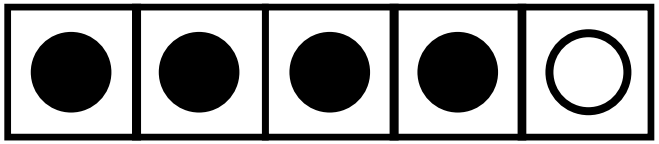
4 + 1



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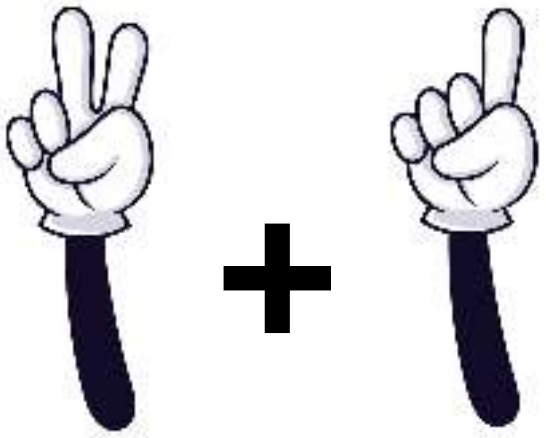
ADDING WITHIN 5 (FINGERS)

Adding within 5 (Fingers)

The facts are modeled with fingers so that students can visualize the facts. It is completely appropriate for kindergarteners to use their fingers when exploring basic math facts. Students can play a match (cards face up and match) or concentration (cards face down) game. The goal is to find the expression and the correct sum. Students can also play sum war where they each pull a card and whoever has the highest sum keeps both cards. When all the cards are done, whoever has the most cards wins.



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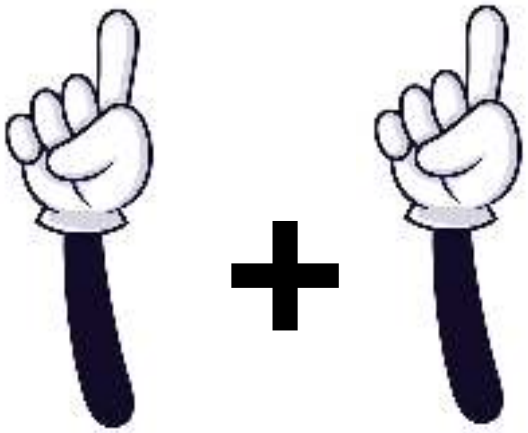
ADDING WITHIN 5 (FINGERS)



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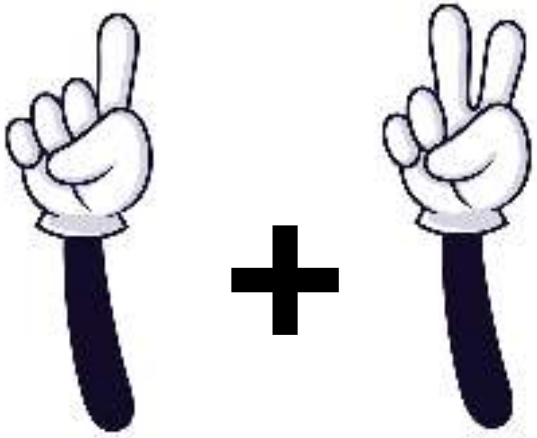

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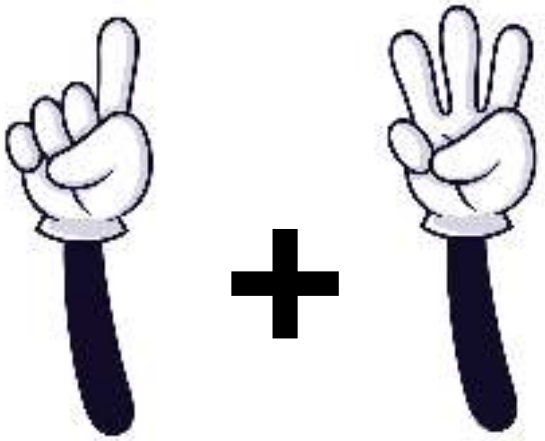
ADDING WITHIN 5 (FINGERS)



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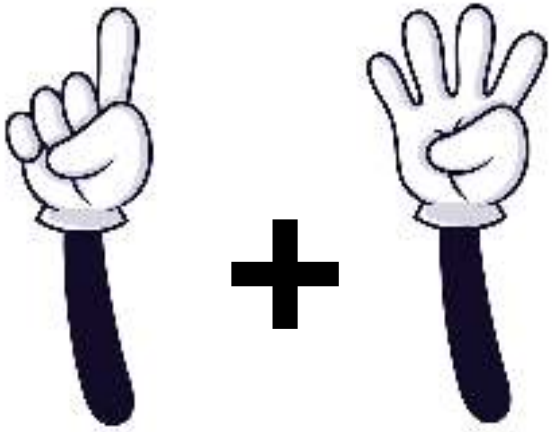

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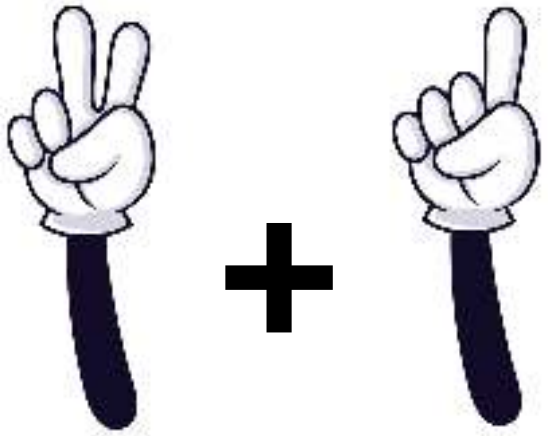
ADDING WITHIN 5 (FINGERS)



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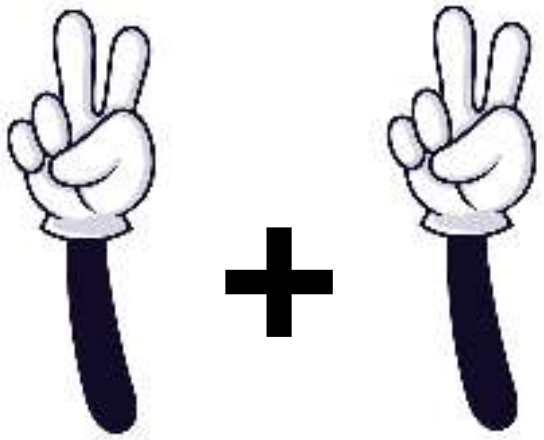

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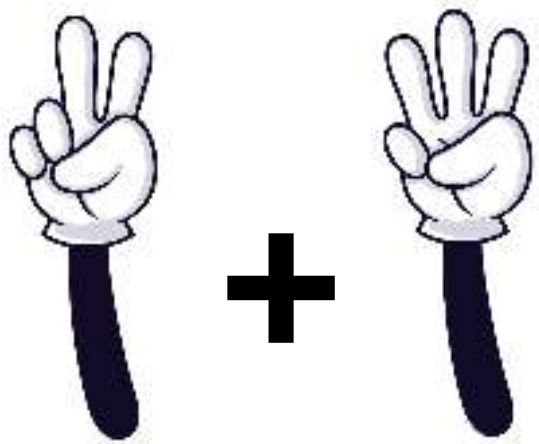

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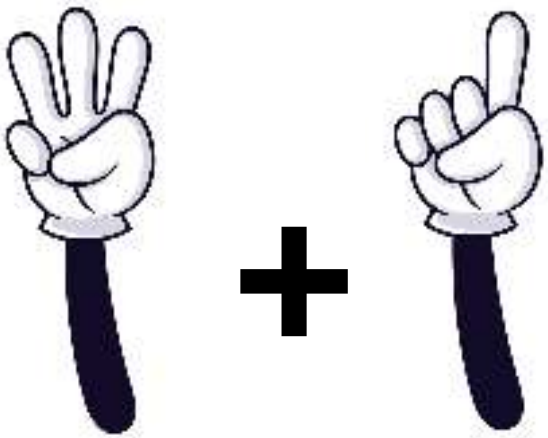

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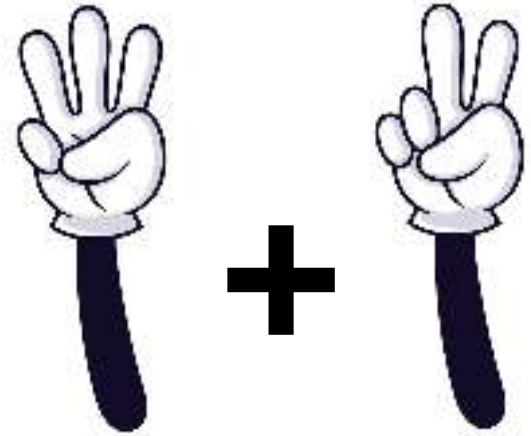
ADDING WITHIN 5 (FINGERS)



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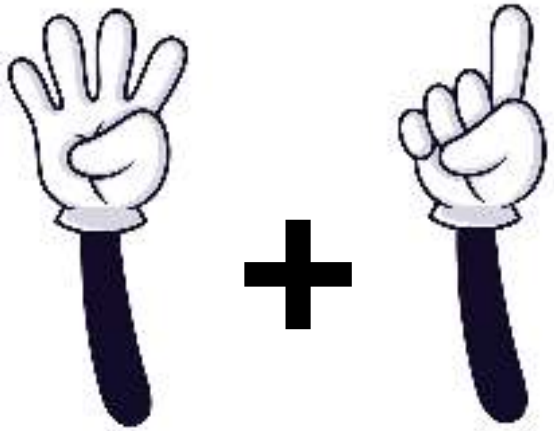

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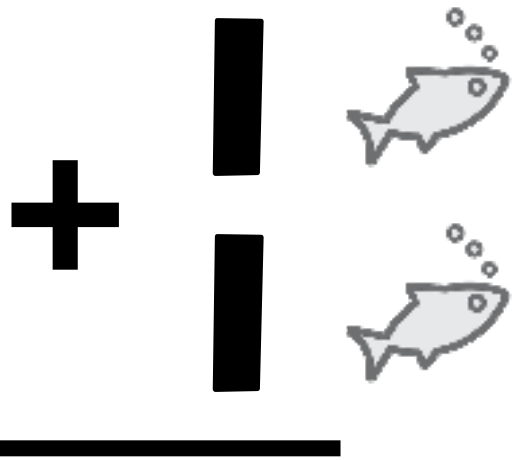
ADDING WITHIN 5 (TRADITIONAL)

Adding within 5 (Pictures)

The facts are modeled with pictures so that students can visualize the facts. Students can play a match (cards face up and match) or concentration (cards face down) game. The goal is to find the expression and the sum. Students can also play sum war where they each pull a card and whoever has the highest sum keeps both cards. When all the cards are done, whoever has the most cards wins.



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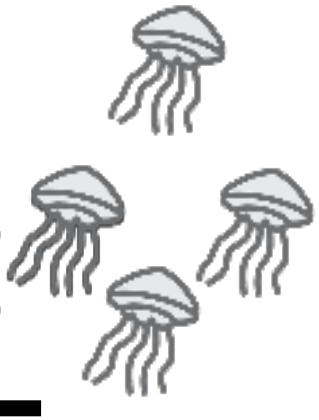
ADDING WITHIN 5 (PICTURES)

1 + 1  www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
1 + 2  www.mathfactfluencyplayground.com	3 www.mathfactfluencyplayground.com

ADDING WITHIN 5 (PICTURES)

$$\begin{array}{r} 1 \\ +\ 3 \\ \hline \end{array}$$



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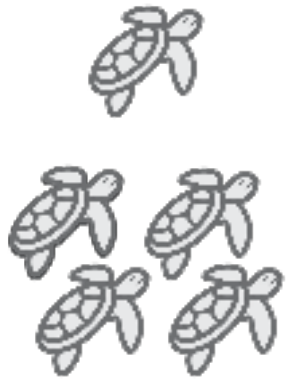
$$\begin{array}{r} 1 \\ +\ 4 \\ \hline \end{array}$$



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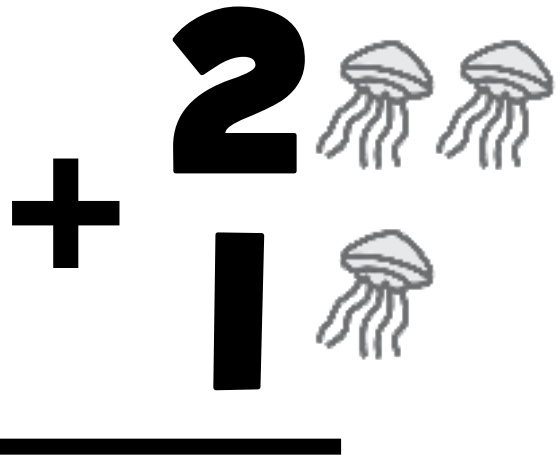
ADDING WITHIN 5 (PICTURES)



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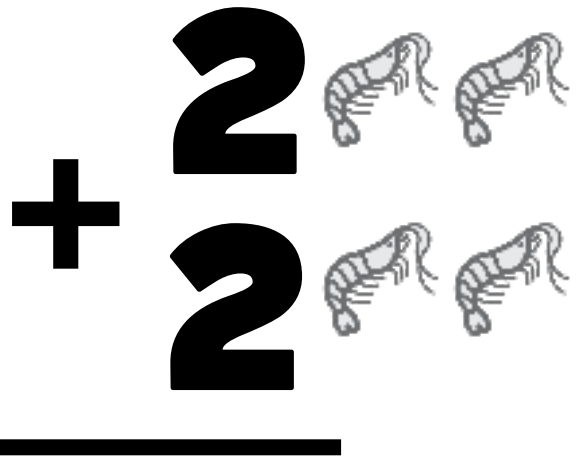

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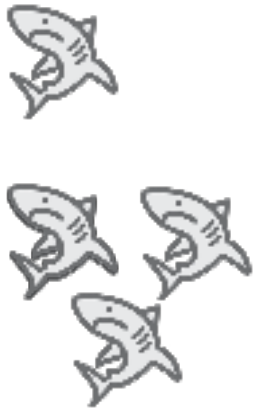
ADDING WITHIN 5 (PICTURES)

$$\begin{array}{r} 2 \\ +\ 3 \\ \hline \end{array}$$



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$$\begin{array}{r} 3 \\ +\ 1 \\ \hline \end{array}$$

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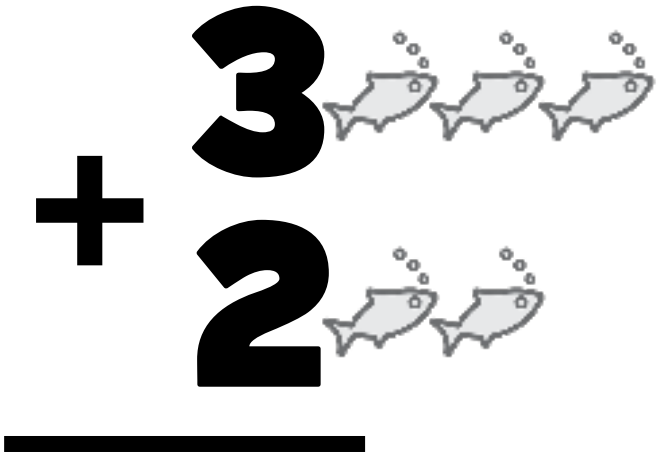
ADDING WITHIN 5 (PICTURES)



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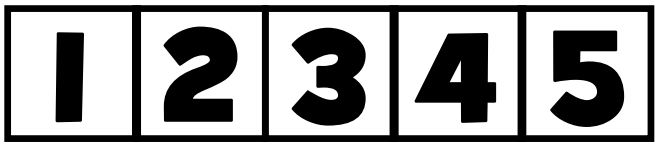
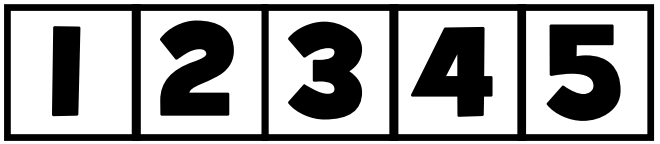
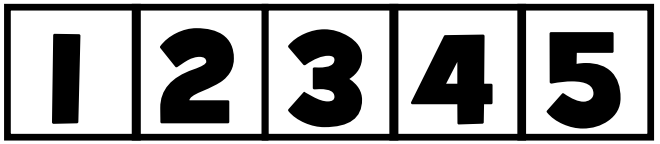
ADDING WITHIN 5 (NUMBER PATH)

Adding within 5 (Number Path)

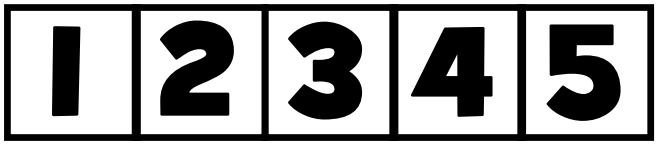
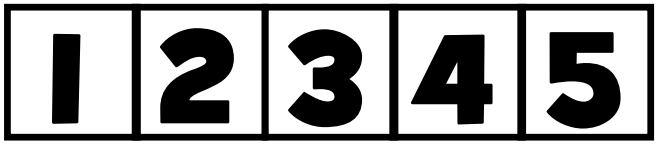
Research recommends that kindergarteners and first graders use number paths instead of number lines.

3 + 1  www.mathfactfluencyplayground.com	4 www.mathfactfluencyplayground.com

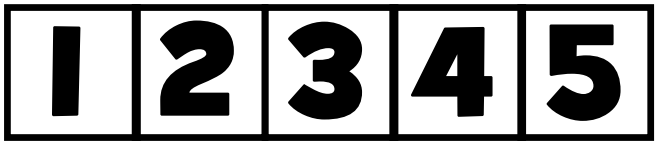
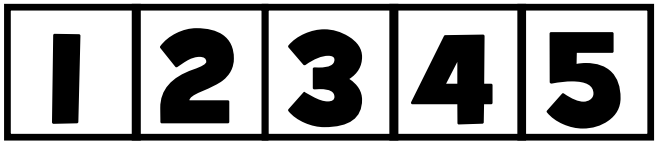
ADDING WITHIN 5 (NUMBER PATH)

1 + 1  www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com
1 + 2  www.mathfactfluencyplayground.com	3 www.mathfactfluencyplayground.com

ADDING WITHIN 5 (NUMBER PATH)

1 + 3  www.mathfactfluencyplayground.com	4 www.mathfactfluencyplayground.com
1 + 4  www.mathfactfluencyplayground.com	5 www.mathfactfluencyplayground.com

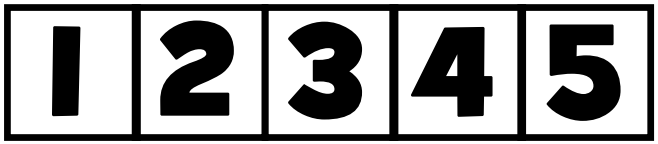
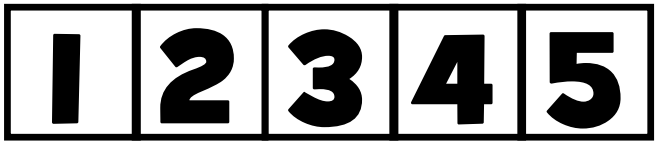
ADDING WITHIN 5 (NUMBER PATH)

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

ADDING WITHIN 5 (NUMBER PATH)

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

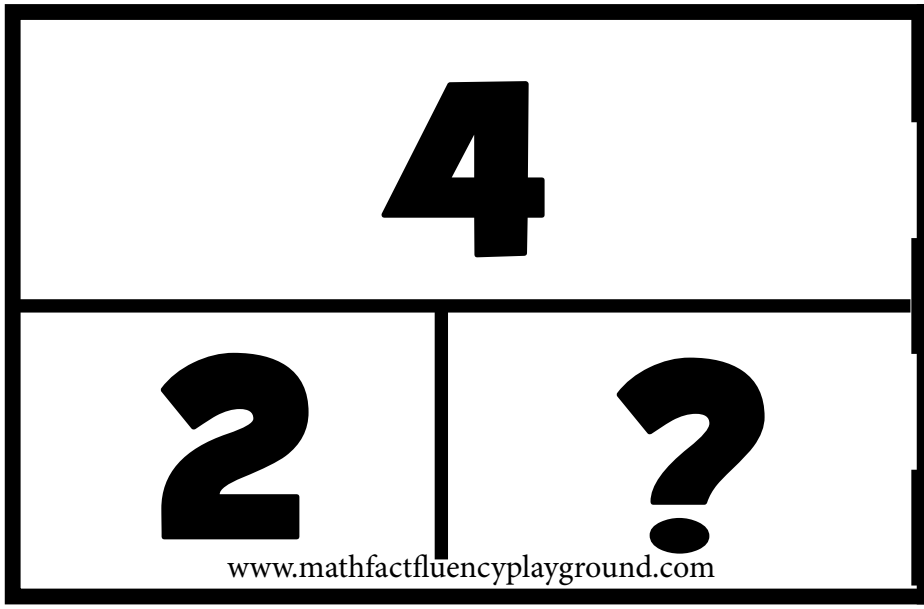
ADDING WITHIN 5 (NUMBER PATH)

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

ADDING WITHIN 5 (PART-PART WHOLE)

Adding within 5 (PART-PART WHOLE)

Part Part Whole mats help students to think about the number sentences in terms of parts and whole. With these cards, students are working on looking at the whole and parts that make up a number.



Cut, fold and glue back to back

ADDING WITHIN 5 (PART-PART WHOLE)

2

1 ?

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1

www.mathfactfluencyplayground.com

3

1 ?

www.mathfactfluencyplayground.com

2

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ADDING WITHIN 5 (PART-PART WHOLE)

4	
1	?

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3

www.mathfactfluencyplayground.com

5	
1	?

www.mathfactfluencyplayground.com

4

www.mathfactfluencyplayground.com

ADDING WITHIN 5 (PART-PART WHOLE)

2 2 ?	0
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4 2 ?	2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 5 (PART-PART WHOLE)

5 2 ?	3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

4 3 ?	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 5 (PART-PART WHOLE)

5 3 ?	2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

5 4 ?	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

ADDING WITHIN 5 (TRADITIONAL)

Adding within 5 (Traditional)

With these cards students will work on adding within 5. It is important to relate the "turn around facts" to each other. The cards are made to be used front to back. Students need to see the turn around facts. They should learn to think about properties from the beginning.

3 + 1	1 + 3
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ADDING WITHIN 5 (TRADITIONAL)

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

Cut, fold and glue back to back

ADDING WITHIN 5 (TRADITIONAL)

1 + 3	3 + 1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
1 + 4	4 + 1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

ADDING WITHIN 5 (TRADITIONAL)

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

Cut, fold and glue back to back

ADDING WITHIN 5 (TRADITIONAL)

2 + 3 www.mathfactfluencyplayground.com	3 + 2 www.mathfactfluencyplayground.com
3 + 1 www.mathfactfluencyplayground.com	1 + 3 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

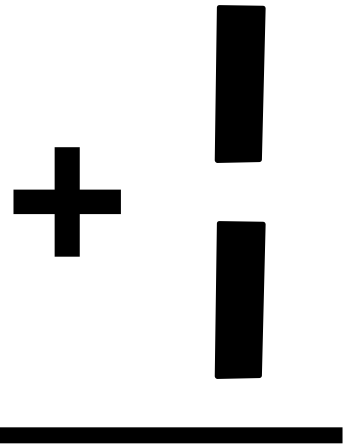
ADDING WITHIN 5 (TRADITIONAL)

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

ADDING WITHIN 5 (VERTICAL)

Adding within 5 (Vertical)

With these cards students will work on adding within 5. It is important to relate the "turn around facts" to each other. The cards are made to be used front to back. Students need to see the turn around facts. They should learn to think about properties from the beginning.



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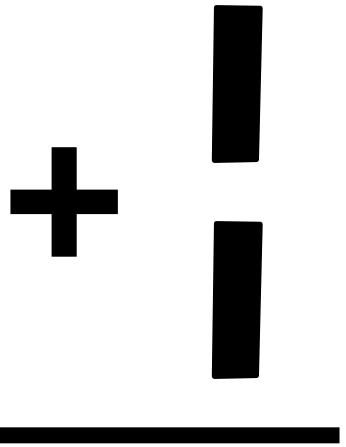

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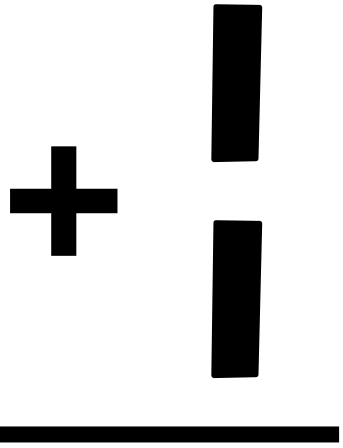
ADDING WITHIN 5 (VERTICAL)



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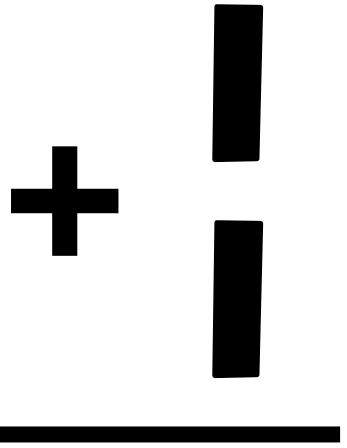
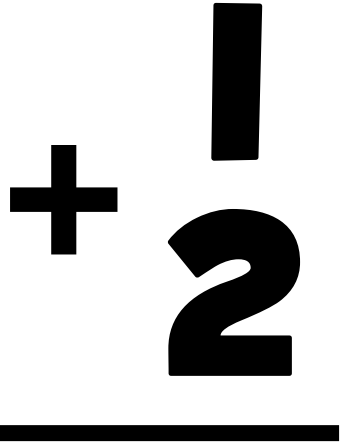
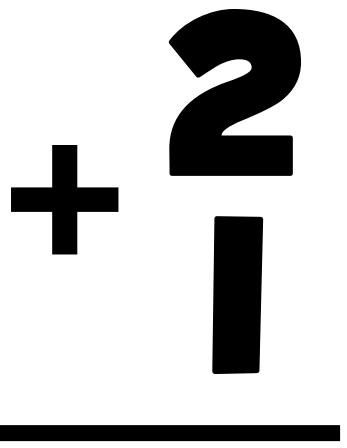


www.mathfactfluencyplayground.com



www.mathfactfluencyplayground.com



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ADDING WITHIN 5 (VERTICAL)

$$\begin{array}{r} 1 \\ +\ 3 \\ \hline \end{array}$$

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$$\begin{array}{r} 3 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 4 \\ +\ 1 \\ \hline \end{array}$$

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ADDING WITHIN 5 (VERTICAL)

$\begin{array}{r} 2 \\ +\ 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +\ 2 \\ \hline \end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$\begin{array}{r} 2 \\ +\ 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +\ 2 \\ \hline \end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

ADDING WITHIN 5 (VERTICAL)

$$\begin{array}{r} 2 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 3 \\ \hline \end{array}$$

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Cut, fold and glue back to back

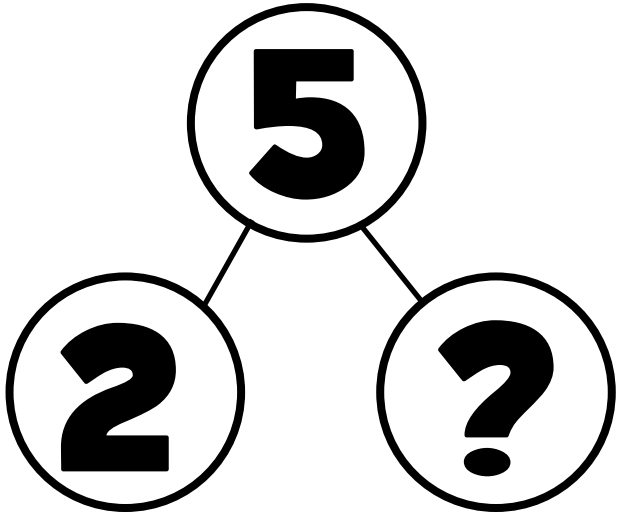
ADDING WITHIN 5 (VERTICAL)

$\begin{array}{r} 3 \\ +\ 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +\ 3 \\ \hline \end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$\begin{array}{r} 4 \\ +\ 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +\ 4 \\ \hline \end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

ADDING WITHIN 5 NUMBER BOND

Adding within 5 Number Bond

With these cards students will work on adding within 5. These facts are modeled in number bonds. Like part part whole mats, number bonds help students to see the whole and the parts. They can either subtract or count up to find the sum.



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3

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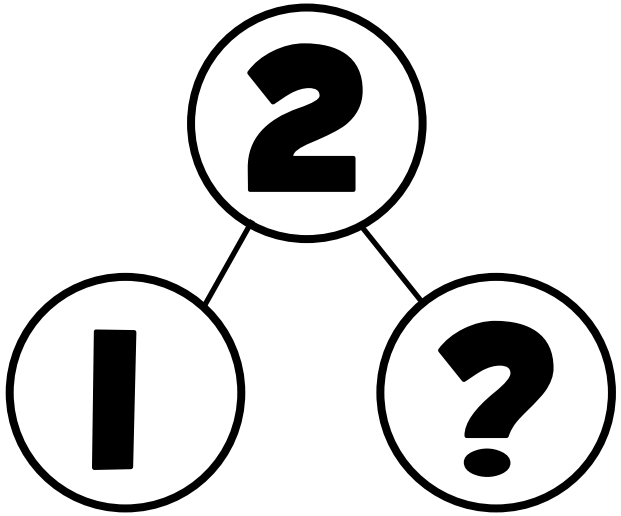
Cut, fold and glue back to back

ADDING WITHIN 5 (NUMBER BOND)



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1

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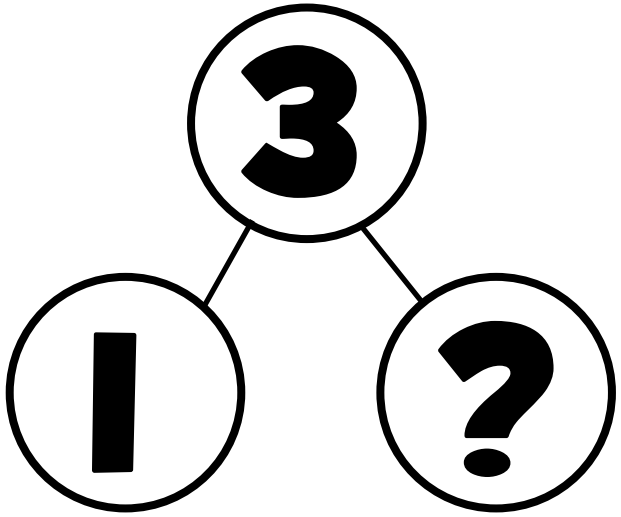

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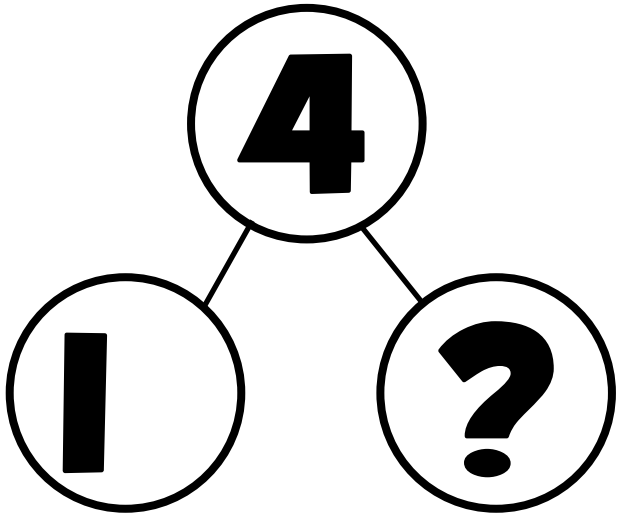
ADDING WITHIN 5 (NUMBER BOND)



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3

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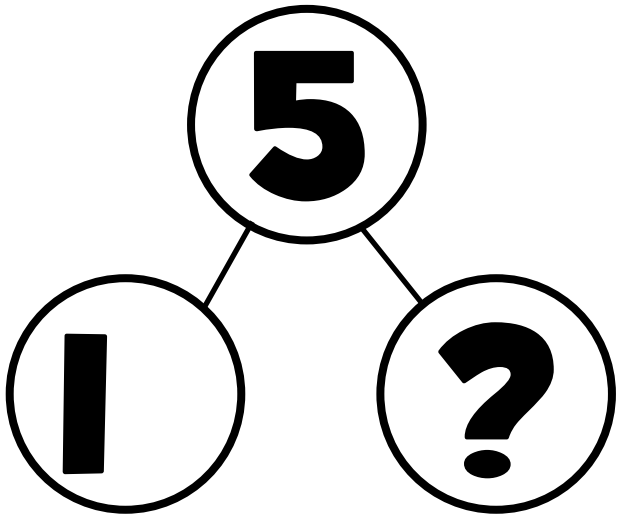

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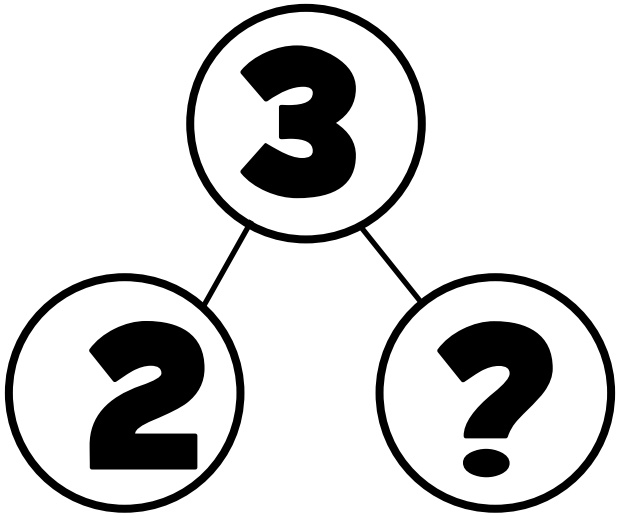
ADDING WITHIN 5 (NUMBER BOND)



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1

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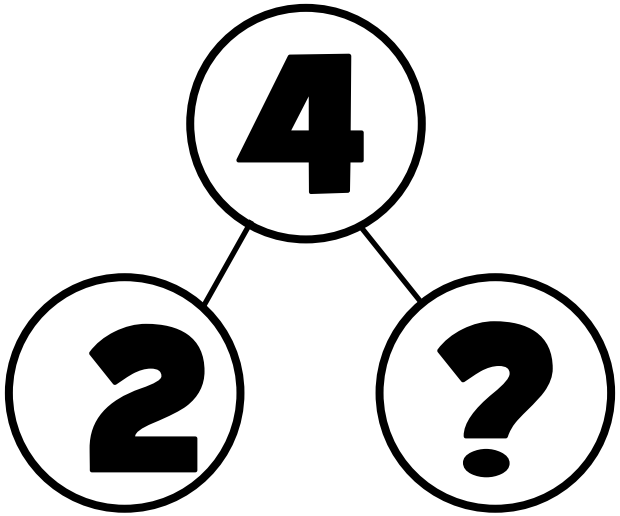

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2

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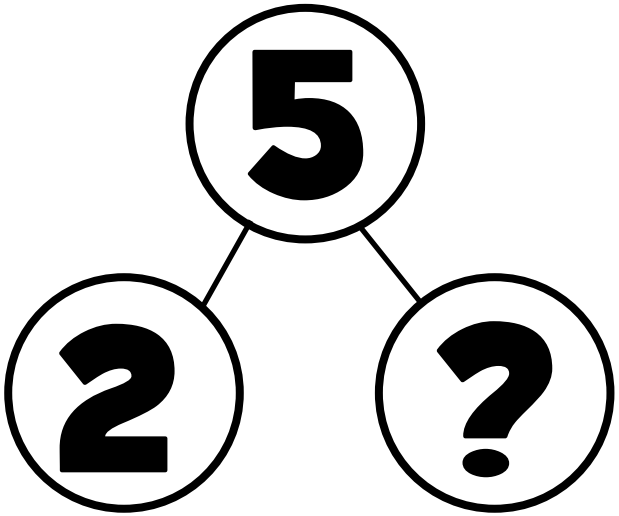
ADDING WITHIN 5 (NUMBER BOND)



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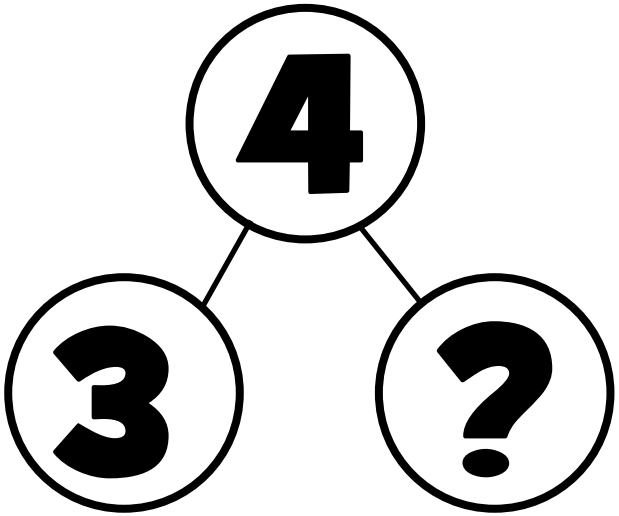

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1

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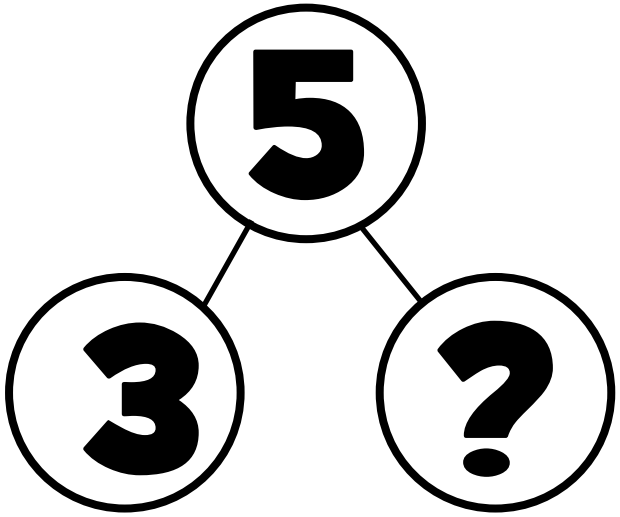
Cut, fold and glue back to back

ADDING WITHIN 5 (NUMBER BOND)



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2

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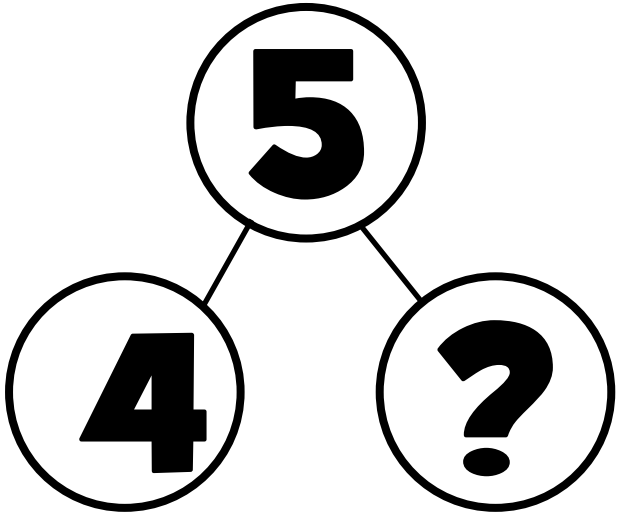

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1

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ADDING WITHIN 5 MISSING NUMBER

Adding within 5: Missing Number

With these cards students will work on adding within 5. Missing addend cards should be discussed with the students. They should explain how they thought about the problem.

$1 + \square = 2$

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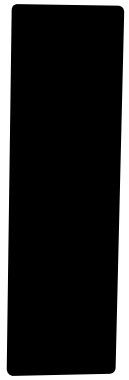

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Cut, fold and glue back to back

ADDING WITHIN 5: MISSING NUMBER

$1 + \square = 2$ www.mathfactfluencyplayground.com	1 www.mathfactfluencyplayground.com
$1 + \square = 3$ www.mathfactfluencyplayground.com	2 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 5: MISSING NUMBER

$1 + \square = 4$	**3**
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$1 + \square = 5$	**4**
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 5: MISSING NUMBER

$2 + \square = 3$

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1

www.mathfactfluencyplayground.com

$2 + \square = 4$

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 5: MISSING NUMBER

$2 + \square = 5$	3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$3 + \square = 4$	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 5: MISSING NUMBER

$3 + \square = 5$	2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$4 + \square = 5$	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

COUNTING ON (DICE)

Counting on with addition dice models

With these cards students will work on adding within 10. Remind students to always start with the big number when counting up 1,2,or 3 numbers. They can also use other strategies depending on the number. With these cards we are also working on the "turn around facts." Students need to learn the properties from the very beginning.

1 + 2

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2 + 1

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

COUNTING ON

1 + 1

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1 + 1

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1 + 2

www.mathfactfluencyplayground.com

2 + 1

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Cut, fold and glue back to back

COUNTING ON

1 + 3

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3 + 1

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2 + 1

www.mathfactfluencyplayground.com

1 + 2

www.mathfactfluencyplayground.com

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COUNTING ON

2 + 2

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2 + 2

www.mathfactfluencyplayground.com

2 + 3

www.mathfactfluencyplayground.com

3 + 2

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

COUNTING ON

3 + 1

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1 + 3

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3 + 2

www.mathfactfluencyplayground.com

2 + 3

www.mathfactfluencyplayground.com

Counting On

3 + 3

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3 + 3

www.mathfactfluencyplayground.com

4 + 1

www.mathfactfluencyplayground.com

1 + 4

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Cut, fold and glue back to back

COUNTING ON

4 + 2

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2 + 4

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4 + 3

www.mathfactfluencyplayground.com

3 + 4

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

COUNTING ON

5 + 1

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1 + 5

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5 + 2

www.mathfactfluencyplayground.com

2 + 5

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Counting On

5 + 3

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3 + 5

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6 + 1

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1 + 6

www.mathfactfluencyplayground.com

Counting On

6 + 2

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2 + 6

www.mathfactfluencyplayground.com

6 + 3

www.mathfactfluencyplayground.com

3 + 6

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Counting On

7 + 1

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1 + 7

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7 + 2

www.mathfactfluencyplayground.com

2 + 7

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

COUNTING ON

7 + 3

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3 + 7

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8 + 1

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1 + 8

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COUNTING ON

8 + 2

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2 + 8

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9 + 1

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1 + 9

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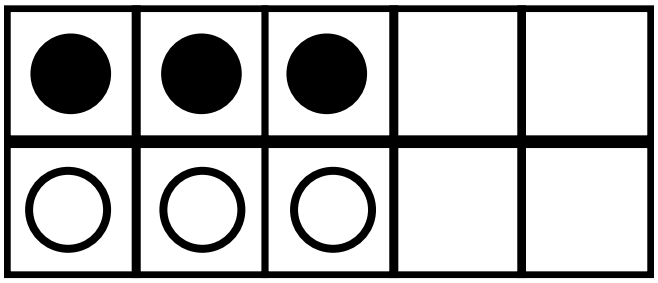
ADDING WITHIN 10 (TEN FRAMES)

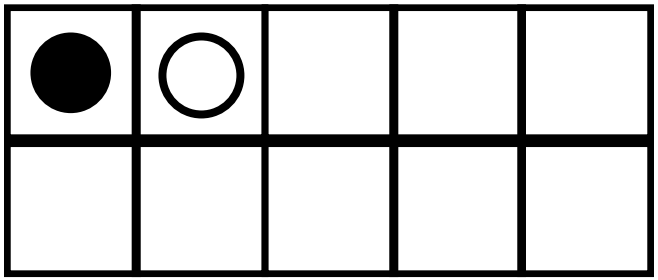
Adding within 10 (Ten Frame)

The facts are modeled in a ten frame so that students can visualize the facts. Students can play a match (cards face up) or concentration (cards face down) game. The goal is to find the expression and the sum. Students can also play sum war where they each pull a card and whoever has the highest sum keeps both cards. When all the cards are done, whoever has the most cards wins.

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

ADDING WITHIN 10 (10 FRAMES)

1 + 1



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2

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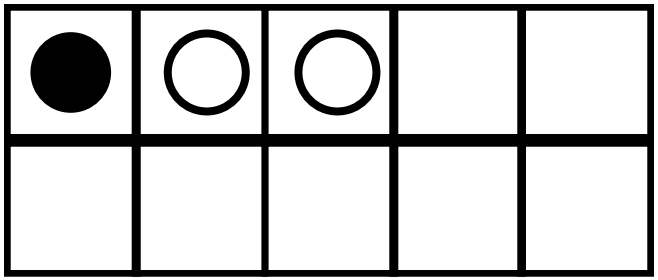
1 + 2



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3

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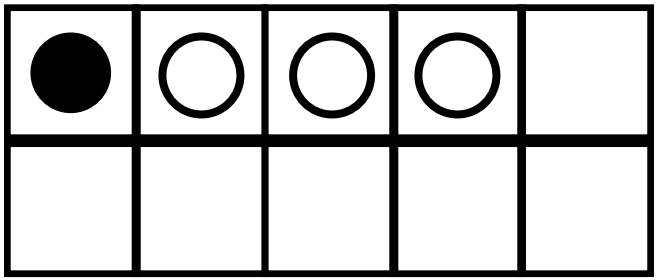
ADDING WITHIN 10 (10 FRAMES)

1 + 3



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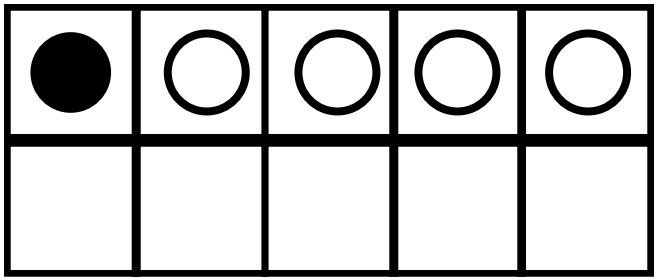
1 + 4



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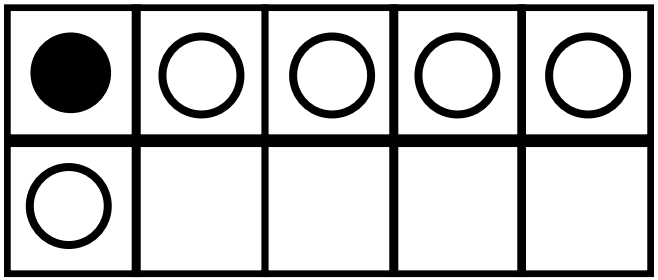

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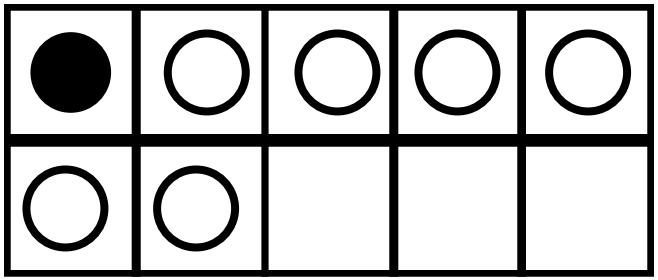

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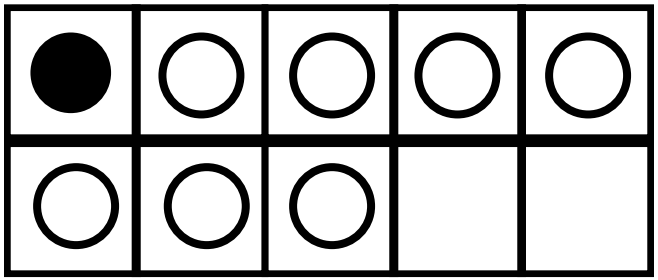

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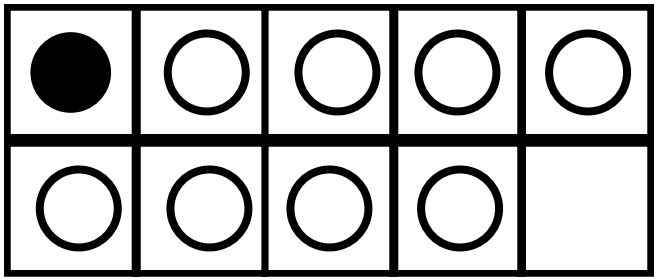
1 + 8



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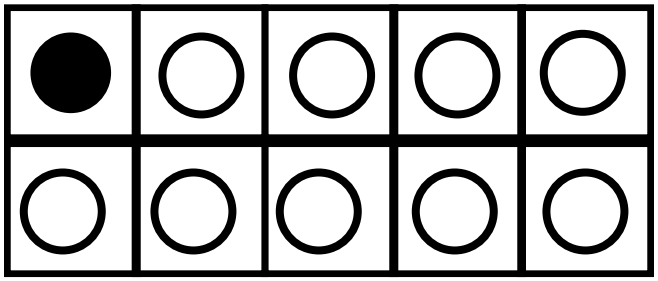
Cut, fold and glue back to back

ADDING WITHIN 10 (10 FRAMES)

1 + 9



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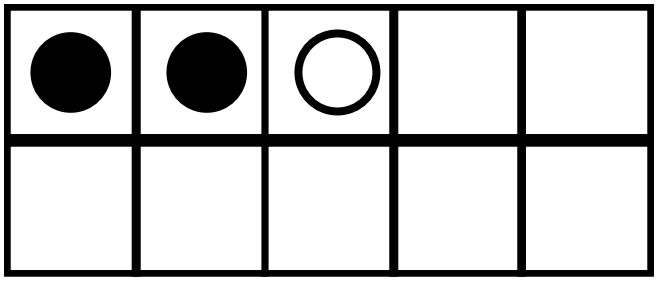
2 + 1



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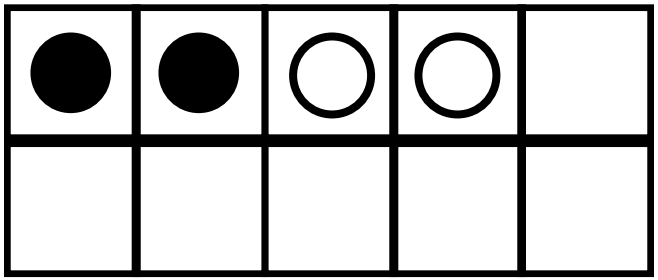

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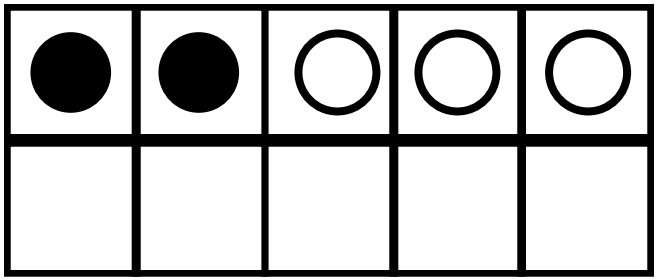
2 + 3



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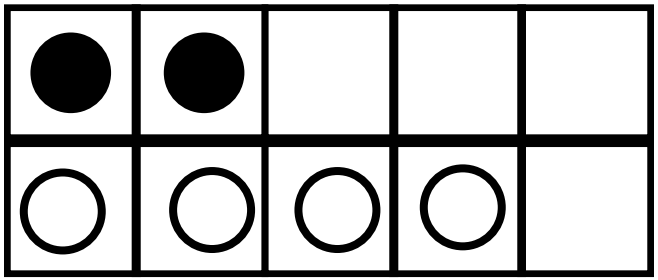
ADDING WITHIN 10 (10 FRAMES)

2 + 4



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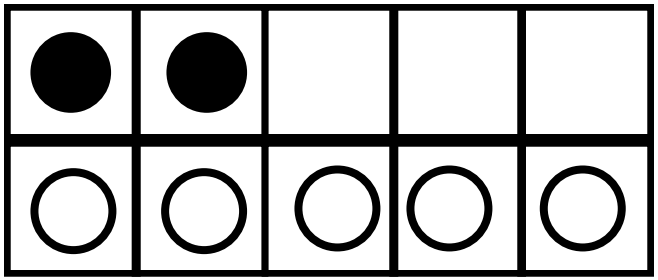
2 + 5



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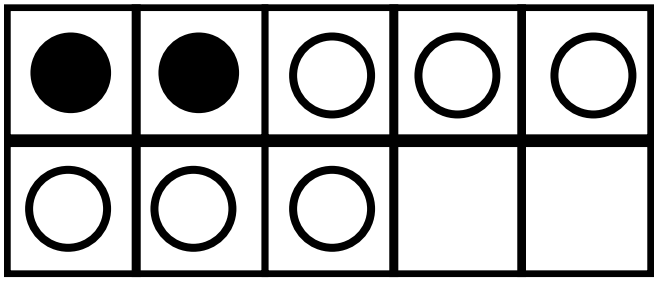
ADDING WITHIN 10 (10 FRAMES)

2 + 6



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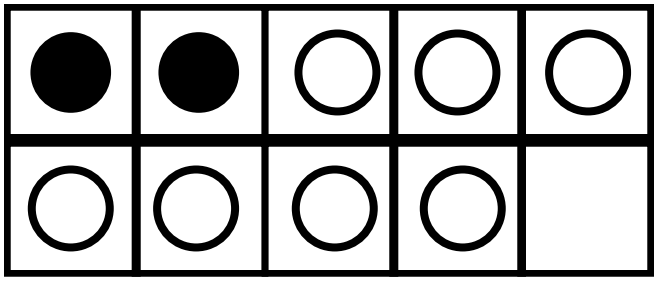
2 + 7



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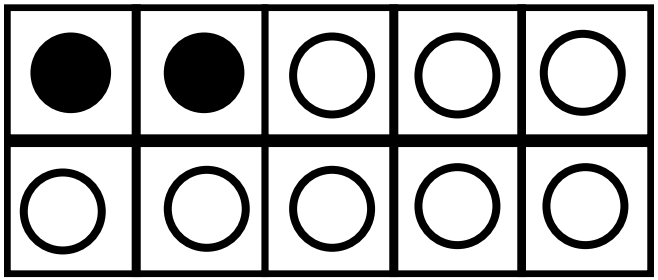
ADDING WITHIN 10 (10 FRAMES)

2 + 8



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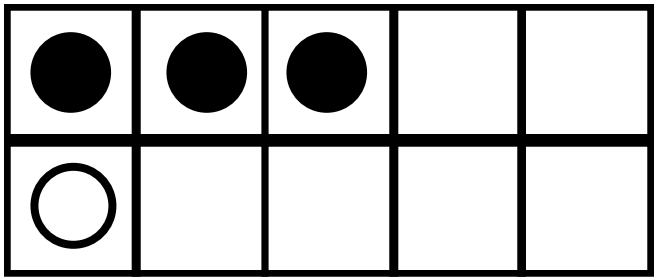
3 + 1



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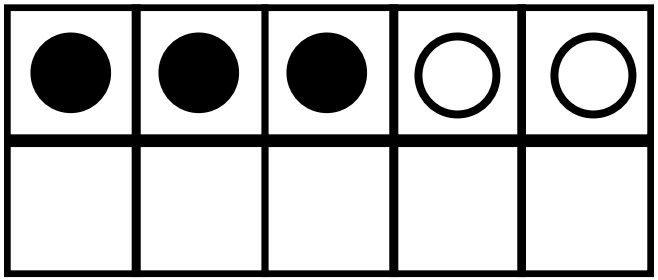
Cut, fold and glue back to back

ADDING WITHIN 10 (10 FRAMES)

3 + 2



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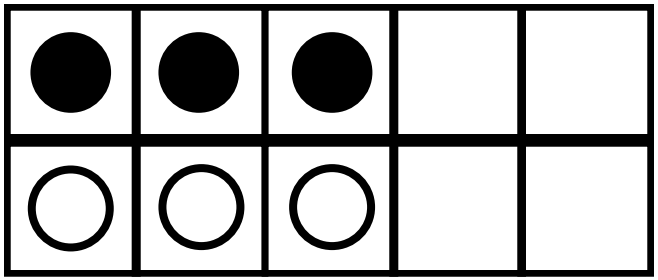
3 + 3



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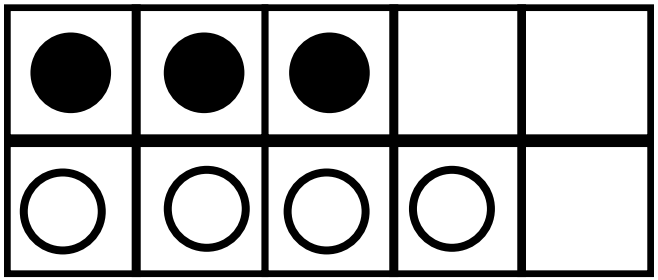
ADDING WITHIN 10 (10 FRAMES)

3 + 4



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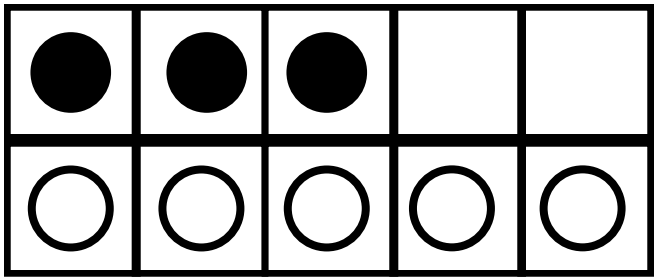
3 + 5



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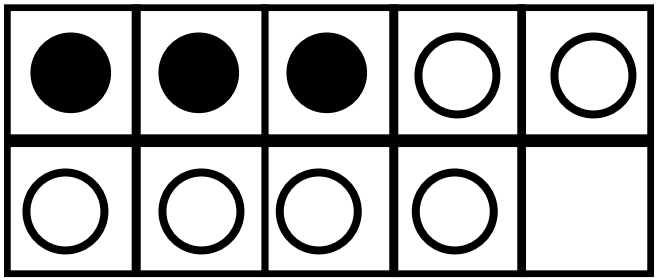
ADDING WITHIN 10 (10 FRAMES)

3 + 6



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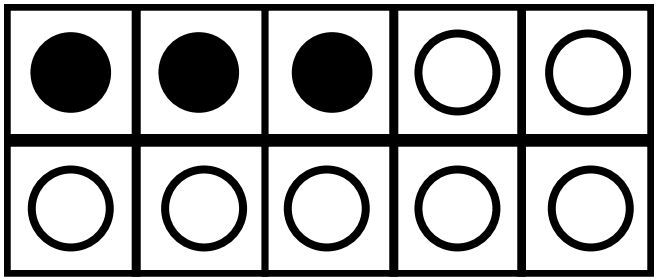
3 + 7



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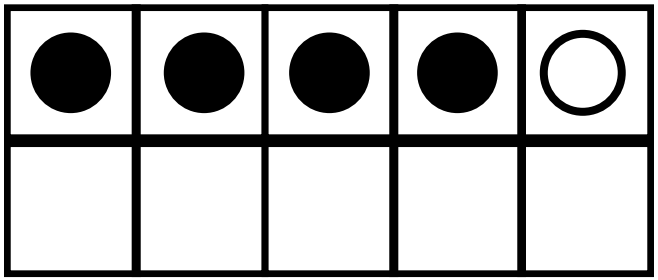
ADDING WITHIN 10 (10 FRAMES)

4 + 1



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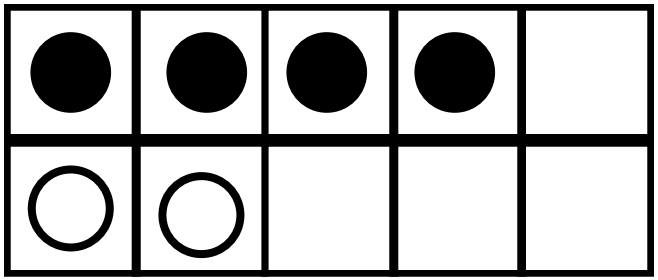
4 + 2



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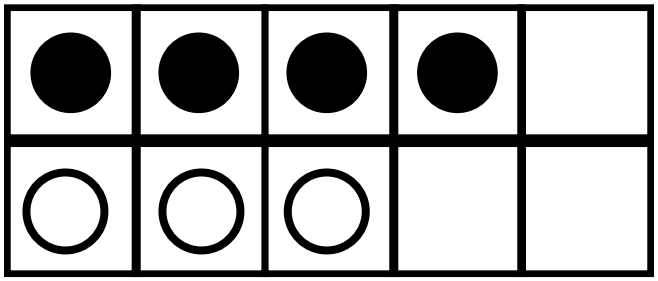
ADDING WITHIN 10 (10 FRAMES)

4 + 3



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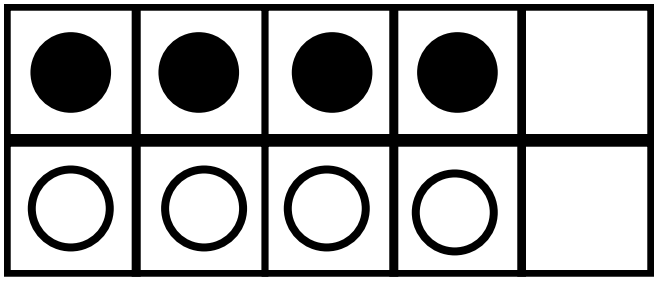
4 + 4



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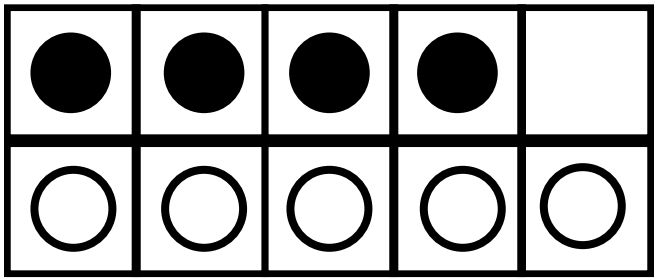
ADDING WITHIN 10 (10 FRAMES)

4 + 5



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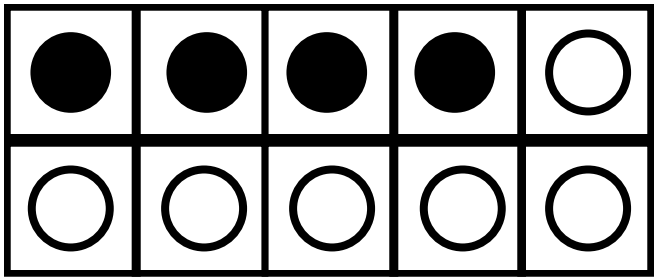
4 + 6



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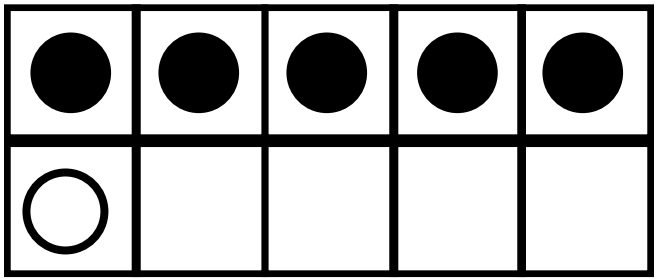
ADDING WITHIN 10 (10 FRAMES)

5 + 1



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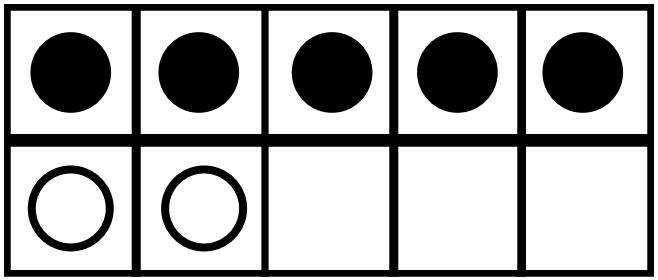
5 + 2



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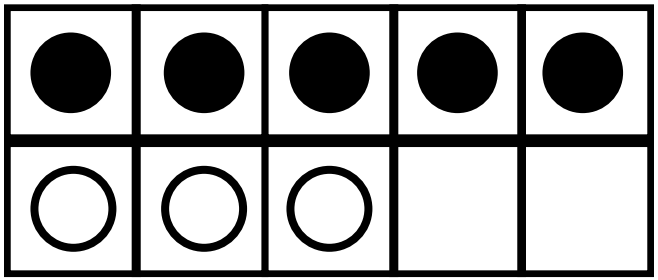
ADDING WITHIN 10 (10 FRAMES)

5 + 3



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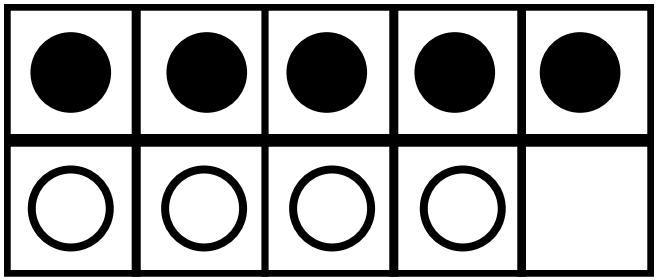
5 + 4



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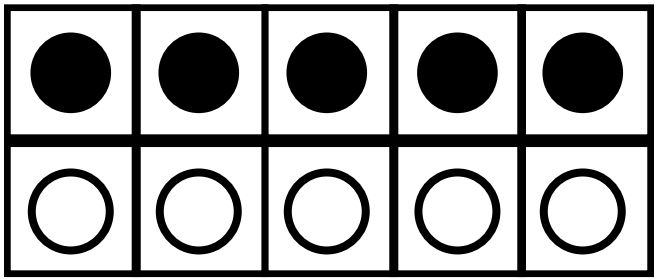
ADDING WITHIN 10 (10 FRAMES)

5 + 5



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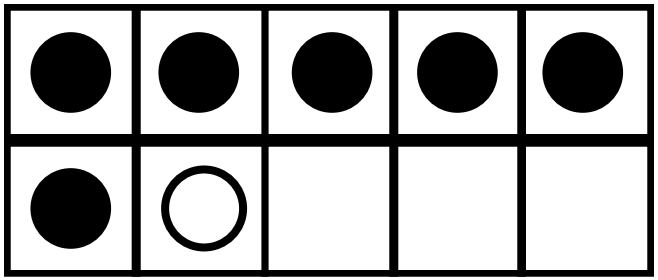
6 + 1



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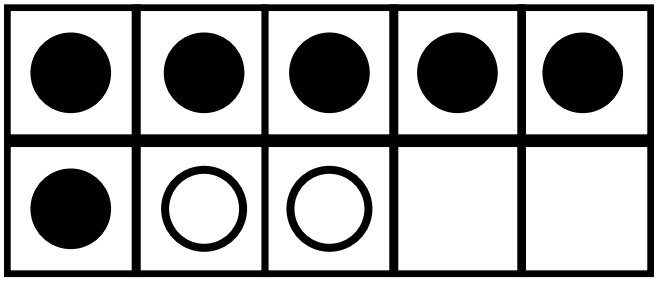
6 + 2



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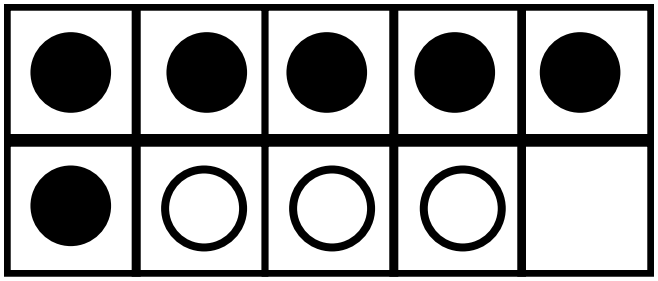
6 + 3



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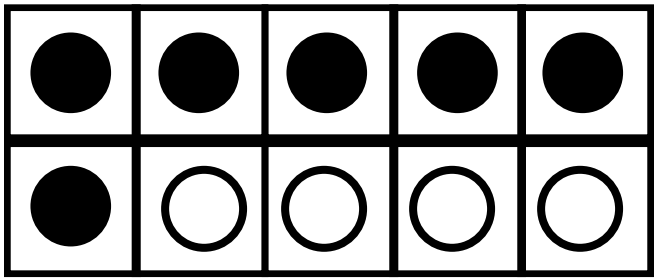
ADDING WITHIN 10 (10 FRAMES)

6 + 4



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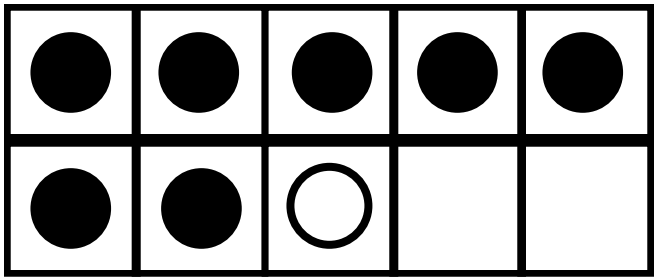
7 + 1



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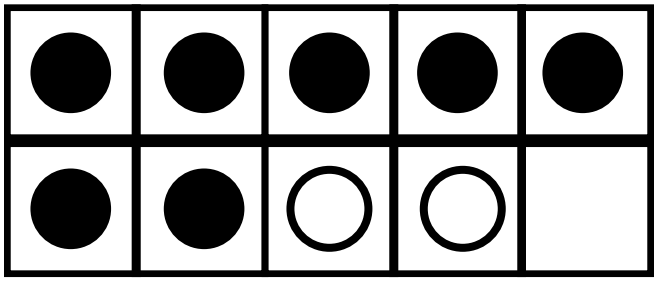
ADDING WITHIN 10 (10 FRAMES)

7 + 2



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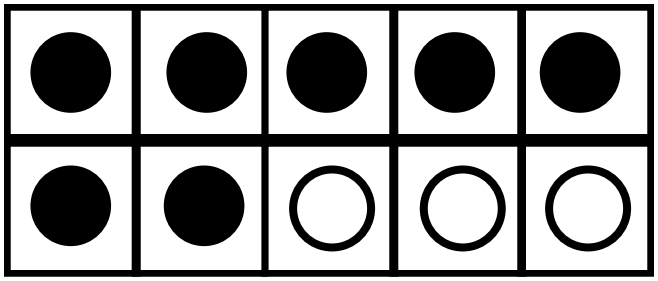
7 + 3



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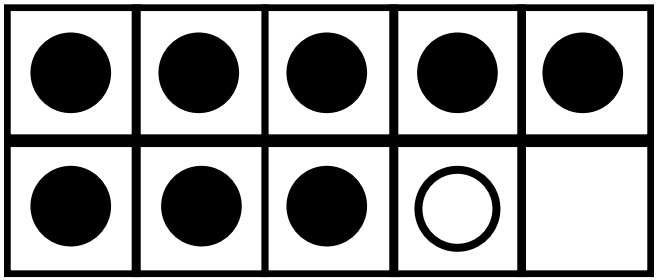
ADDING WITHIN 10 (10 FRAMES)

8 + 1



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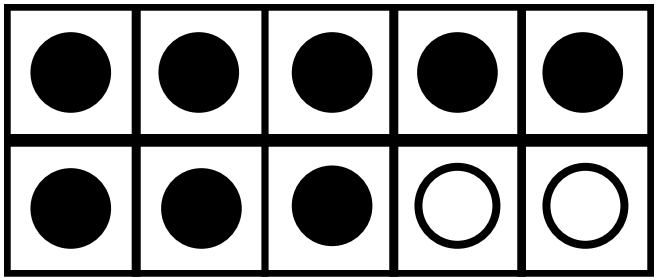
8 + 2



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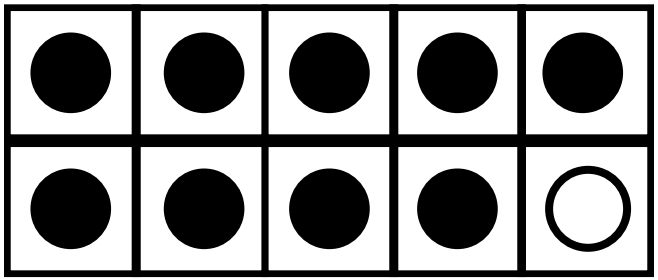
ADDING WITHIN 10 (10 FRAMES)

9 + 1



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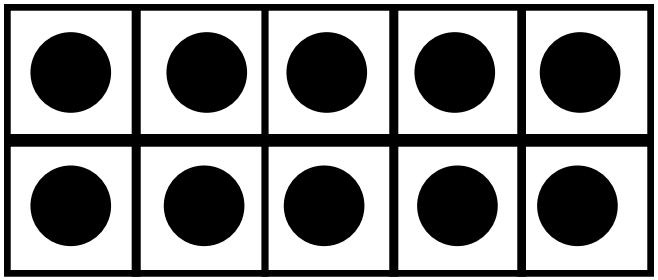
10 + 0



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MISSING NUMBERS TO 10 (NUMBER LINE)

Missing Numbers to 10

Missing Number Flashcards help students to work on thinking about and finding the missing number. We have scaffolded these flashcards with a number line to help students find the missing number by counting up. They could also count back.

*Look for doubles and make ten facts first

$3 + ? = 10$

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7

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Cut, fold and glue back to back

MISSING NUMBERS TO 10

$4 + ? = 8$

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4

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*Look for doubles and make ten facts first

$4 + ? = 7$

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3

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MISSING NUMBERS TO 10

$8 + ? = 10$

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2

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*Look for doubles and make ten facts first

$2 + ? = 6$

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4

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Cut, fold and glue back to back

MISSING NUMBERS TO 10

$1 + ? = 4$

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3

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*Look for doubles and make ten facts first

$2 + ? = 5$

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3

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MISSING NUMBERS TO 10

$7 + ? = 9$

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2

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*Look for doubles and make ten facts first

$6 + ? = 10$

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4

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MISSING NUMBERS TO 10

$2 + ? = 8$

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6

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*Look for doubles and make ten facts first

$5 + ? = 10$

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5

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Cut, fold and glue back to back

MISSING NUMBERS TO 10

$3 + ? = 6$

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3

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*Look for doubles and make ten facts first

$5 + ? = 7$

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2

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Cut, fold and glue back to back

MISSING NUMBERS TO 10

$2 + ? = 4$

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2

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*Look for doubles and make ten facts first

$4 + ? = 5$

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1

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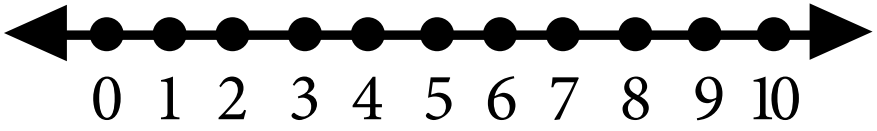
Cut, fold and glue back to back

MISSING NUMBERS TO 10

$3 + ? = 4$



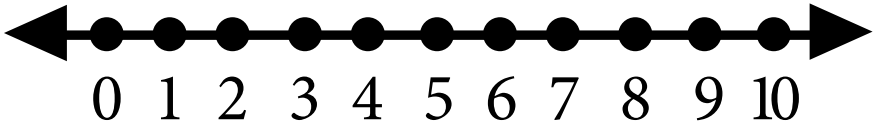
www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$4 + ? = 6$



www.mathfactfluencyplayground.com

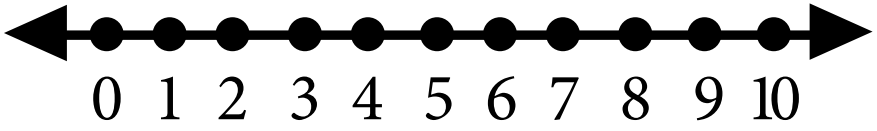
2

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

MISSING NUMBERS TO 10

$3 + ? = 5$



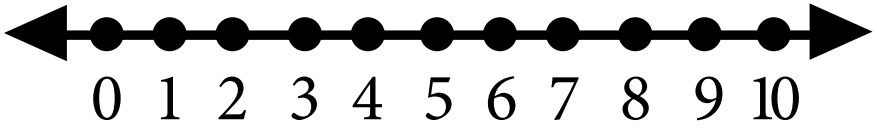
www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$2 + ? = 9$



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7

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Cut, fold and glue back to back

MISSING NUMBERS TO 10

$5 + ? = 8$

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3

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$3 + ? = 9$

www.mathfactfluencyplayground.com

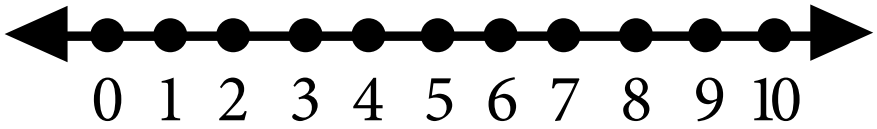
6

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

MISSING NUMBERS TO 10

$2 + ? = 10$



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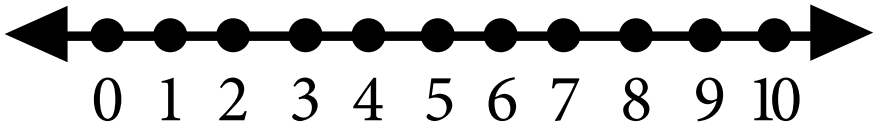
8

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$4 + ? = 10$



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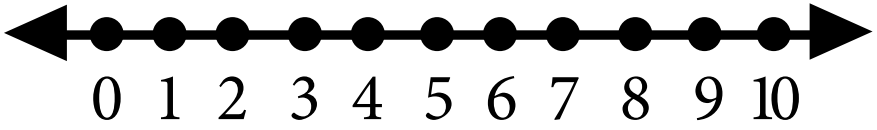
6

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

MISSING NUMBERS TO 10

$3 + ? = 7$



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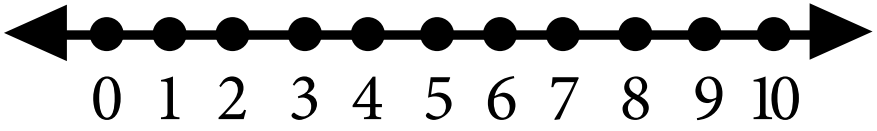
4

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$1 + ? = 5$



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4

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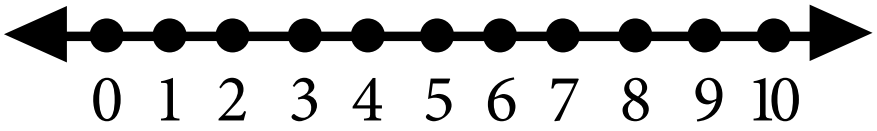
Cut, fold and glue back to back

MISSING NUMBERS TO 10

$6 + ? = 9$



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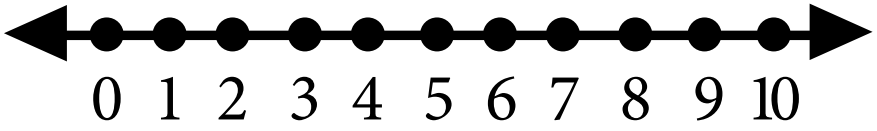
3

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$3 + ? = 8$



www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

MISSING NUMBERS TO 10

1 + ? = 1

www.mathfactfluencyplayground.com

0

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

7 + ? = 10

www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

MISSING NUMBERS TO 10

$5 + ? = 5$

www.mathfactfluencyplayground.com

0

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$1 + ? = 2$

www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

MISSING NUMBERS TO 10

$6 + ? = 8$

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$0 + ? = 5$

www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

MISSING NUMBERS TO 10

0 + ? = 0

www.mathfactfluencyplayground.com

0

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

1 + ? = 3

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

MISSING NUMBERS TO 10

$0 + ? = 1$

www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

*Look for doubles and make ten facts first

$2 + ? = 3$

www.mathfactfluencyplayground.com

1

www.mathfactfluencyplayground.com

MISSING NUMBERS TO 10

$2 + ? = 7$

www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

SIGN LANGUAGE ADD WITHIN 10

Sign Language Add within 10

With these cards students can practice adding in sign language. They will have to be taught the number representations.

5 + 5 	10

Cut, fold and glue back to back

Sign Language Addition

1 + 2

www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

2 + 1

www.mathfactfluencyplayground.com

3

www.mathfactfluencyplayground.com

Sign Language Addition

1 + 3

www.mathfactfluencyplayground.com

4

www.mathfactfluencyplayground.com

3 + 1

www.mathfactfluencyplayground.com

4

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

1 + 4

www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

4 + 1

www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

Sign Language Addition

2 + 2

www.mathfactfluencyplayground.com

4

www.mathfactfluencyplayground.com

1 + 1

www.mathfactfluencyplayground.com

2

www.mathfactfluencyplayground.com

Sign Language Addition

3 + 2

www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

2 + 3

www.mathfactfluencyplayground.com

5

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

2 + 4

www.mathfactfluencyplayground.com

6

www.mathfactfluencyplayground.com

4 + 2

www.mathfactfluencyplayground.com

6

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

2 + 5

www.mathfactfluencyplayground.com

7

www.mathfactfluencyplayground.com

5 + 2

www.mathfactfluencyplayground.com

7

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

3 + 7

www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

7 + 3

www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

2 + 7

www.mathfactfluencyplayground.com

9

www.mathfactfluencyplayground.com

7 + 2

www.mathfactfluencyplayground.com

9

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

2 + 6

www.mathfactfluencyplayground.com

8

www.mathfactfluencyplayground.com

6 + 2

www.mathfactfluencyplayground.com

8

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

2 + 8

www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

8 + 2

www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

3 + 4

www.mathfactfluencyplayground.com

7

www.mathfactfluencyplayground.com

4 + 3

www.mathfactfluencyplayground.com

7

www.mathfactfluencyplayground.com

Sign Language Addition

3 + 3

www.mathfactfluencyplayground.com

6

www.mathfactfluencyplayground.com

4 + 4

www.mathfactfluencyplayground.com

8

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

3 + 5

www.mathfactfluencyplayground.com

8

www.mathfactfluencyplayground.com

5 + 3

www.mathfactfluencyplayground.com

8

www.mathfactfluencyplayground.com

Sign Language Addition

3 + 6

www.mathfactfluencyplayground.com

9

www.mathfactfluencyplayground.com

6 + 3

www.mathfactfluencyplayground.com

9

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

Sign Language Addition

4 + 6

www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

6 + 4

www.mathfactfluencyplayground.com

10

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (TRADITIONAL)

Adding within 10 (Traditional)

With these cards students will work on adding within 10. It is important to relate the "turn around facts" to each other. The cards are made to be used front to back. With these cards we are also working on the "turn around facts." Students need to learn the properties from the very beginning.

3 + 1	1 + 3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

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

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

1 + 3 www.mathfactfluencyplayground.com	3 + 1 www.mathfactfluencyplayground.com
1 + 4 www.mathfactfluencyplayground.com	4 + 1 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

1 + 5 www.mathfactfluencyplayground.com	5 + 1 www.mathfactfluencyplayground.com
1 + 6 www.mathfactfluencyplayground.com	6 + 1 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

1 + 7 www.mathfactfluencyplayground.com	7 + 1 www.mathfactfluencyplayground.com
1 + 8 www.mathfactfluencyplayground.com	8 + 1 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

1 + 9	9 + 1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
2 + 1	1 + 2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

2 + 2 www.mathfactfluencyplayground.com	2 + 2 www.mathfactfluencyplayground.com
2 + 3 www.mathfactfluencyplayground.com	3 + 2 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

2 + 4 www.mathfactfluencyplayground.com	4 + 2 www.mathfactfluencyplayground.com
2 + 5 www.mathfactfluencyplayground.com	5 + 2 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

2 + 6 www.mathfactfluencyplayground.com	6 + 2 www.mathfactfluencyplayground.com
2 + 7 www.mathfactfluencyplayground.com	7 + 2 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

2 + 8	8 + 2
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
3 + 1	1 + 3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

3 + 2	2 + 3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
3 + 3	3 + 3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

ADDING WITHIN 10 (TRADITIONAL)

3 + 4	4 + 3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
3 + 5	5 + 3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

3 + 6	6 + 3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
3 + 7	7 + 3
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

4 + 1	1 + 4
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
4 + 2	2 + 4
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

4 + 3	3 + 4
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
4 + 4	4 + 4
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

ADDING WITHIN 10 (TRADITIONAL)

4 + 5	5 + 4
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
4 + 6	6 + 4
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

5 + 1 www.mathfactfluencyplayground.com	1 + 5 www.mathfactfluencyplayground.com
5 + 2 www.mathfactfluencyplayground.com	2 + 5 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

5 + 3	3 + 5
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
5 + 4	4 + 5
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

5 + 5	5 + 5
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
6 + 1	1 + 6
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

6 + 2	2 + 6
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
6 + 3	3 + 6
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

6 + 4	4 + 6
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
7 + 1	1 + 7
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

7 + 2 www.mathfactfluencyplayground.com	2 + 7 www.mathfactfluencyplayground.com
7 + 3 www.mathfactfluencyplayground.com	3 + 7 www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (TRADITIONAL)

8 + 1	1 + 8
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
8 + 2	2 + 8
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

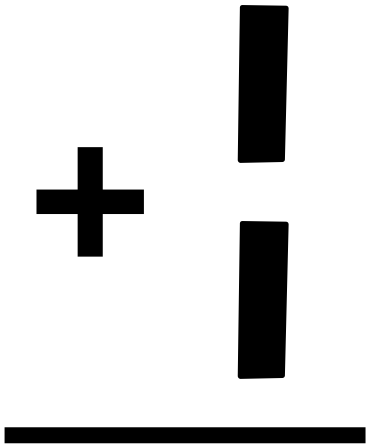
ADDING WITHIN 10 (TRADITIONAL)

9 + 1 www.mathfactfluencyplayground.com	1 + 9 www.mathfactfluencyplayground.com
10 + 0 www.mathfactfluencyplayground.com	0 + 10 www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

Adding within 10 (Vertical)

With these cards students will work on adding within 10. It is important to relate the "turn around facts" to each other. The cards are made to be used front to back. Students need to see the turn around facts. They should learn to think about properties from the beginning.



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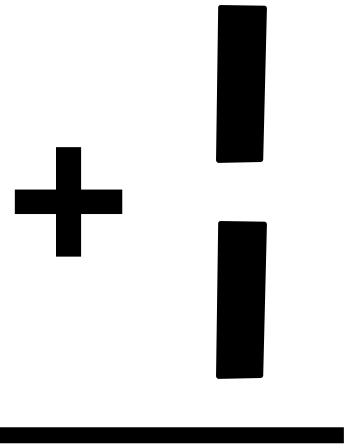

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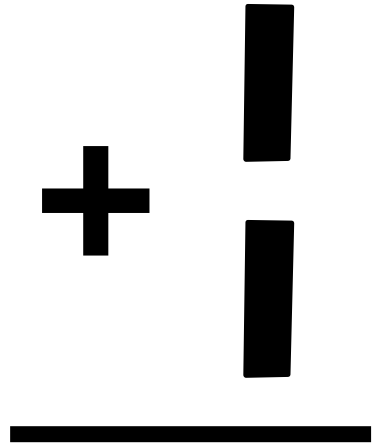
Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)



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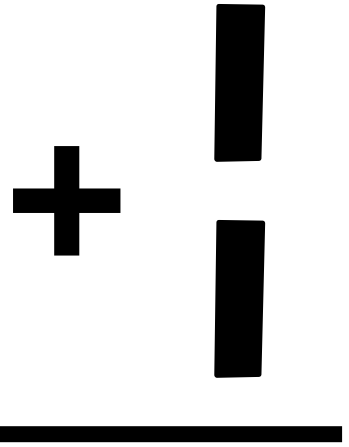
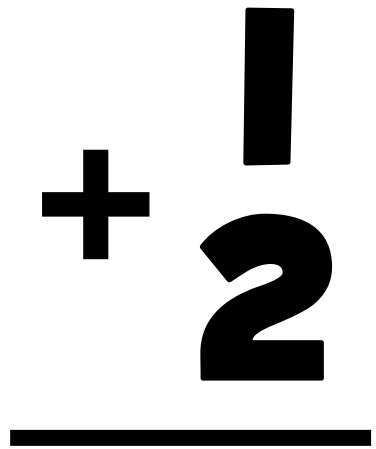


www.mathfactfluencyplayground.com



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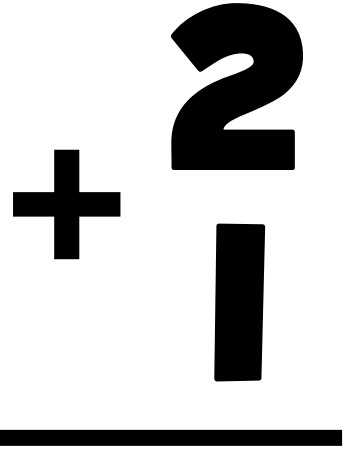

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Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$\begin{array}{r} 1 \\ +\ 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +\ 1 \\ \hline \end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$\begin{array}{r} 1 \\ +\ 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +\ 1 \\ \hline \end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$+\begin{array}{r}1\\5\\\hline\end{array}$	$+\begin{array}{r}5\\1\\\hline\end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$+\begin{array}{r}1\\6\\\hline\end{array}$	$+\begin{array}{r}6\\1\\\hline\end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 1 \\ +\ 7 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 7 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 8 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 8 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$\begin{array}{r} 1 \\ +\ 9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +\ 1 \\ \hline \end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$\begin{array}{r} 2 \\ +\ 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +\ 2 \\ \hline \end{array}$
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 2 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 2 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 4 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 5 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 5 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 2 \\ +\ 6 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 6 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 7 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 7 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 2 \\ +\ 8 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 8 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 3 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 3 \\ +\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +\ 3 \\ \hline \end{array}$$

Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 3 \\ +\ 6 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 6 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 7 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 7 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 4 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 4 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 4 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 4 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 4 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 4 \\ +\ 5 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 5 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 4 \\ +\ 6 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 6 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 5 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 5 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 5 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 5 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 5 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 5 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 5 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 4 \\ +\ 5 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 5 \\ +\ 5 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 5 \\ +\ 5 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 6 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 6 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 6 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 6 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 6 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 6 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 6 \\ +\ 4 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 4 \\ +\ 6 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 7 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 7 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 7 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 7 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 7 \\ +\ 3 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 3 \\ +\ 7 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 8 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 8 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 8 \\ +\ 2 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 2 \\ +\ 8 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

Cut, fold and glue back to back

ADDING WITHIN 10 (VERTICAL)

$$\begin{array}{r} 9 \\ +\ 1 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 1 \\ +\ 9 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 10 \\ +\ 0 \\ \hline \end{array}$$

www.mathfactfluencyplayground.com

$$\begin{array}{r} 0 \\ +\ 10 \\ \hline \end{array}$$

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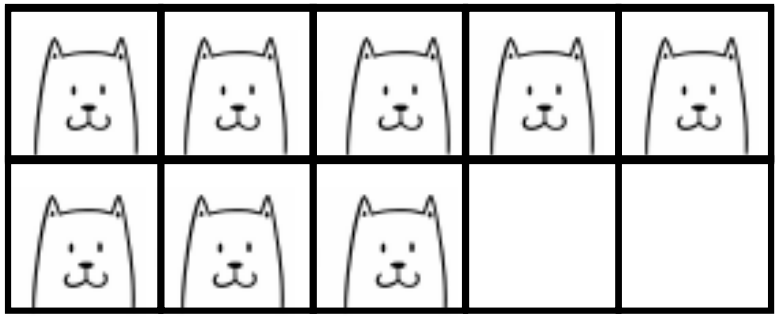
MAKE 10 MISSING NUMBER (TEN FRAMES)

Make 10 Missing Number (Ten Frames)

With these cards we explore ten friends. Cards that make ten. The cards are back to back so that students can work on their "turn around facts." This will later become known as the "commutative property."

8 + ? = 10



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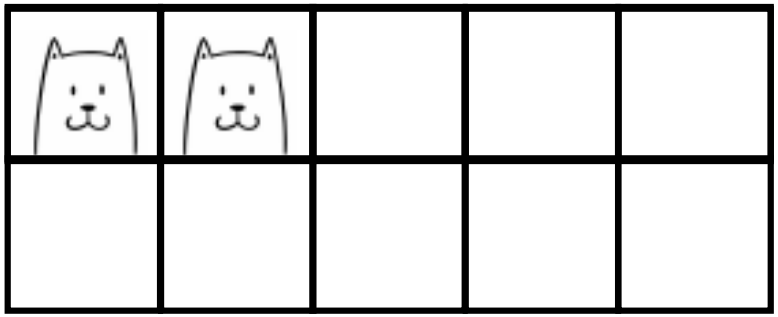
? + 2 = 10



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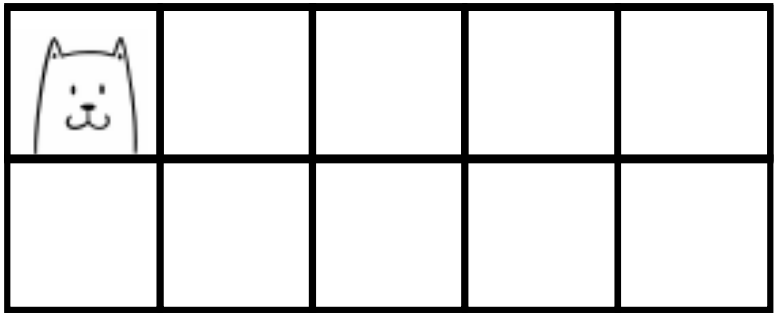
Cut, fold and glue back to back

MAKE 10

1 + ? = 10



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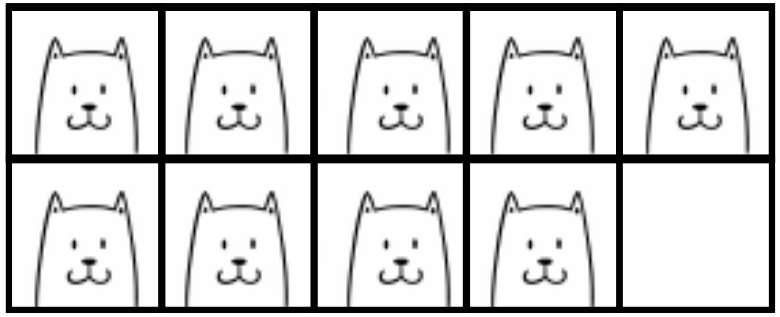
? + 9 = 10



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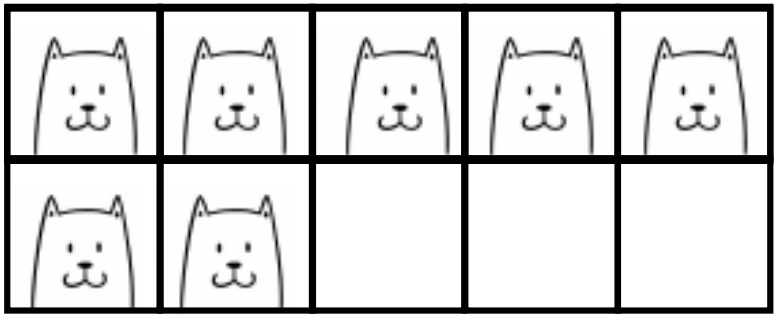
7 + ? = 10



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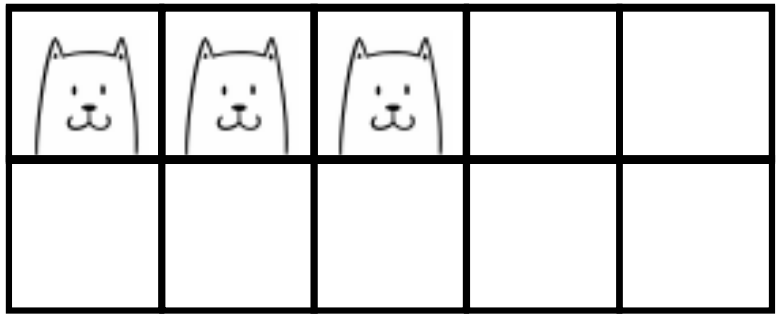
? + 3 = 10



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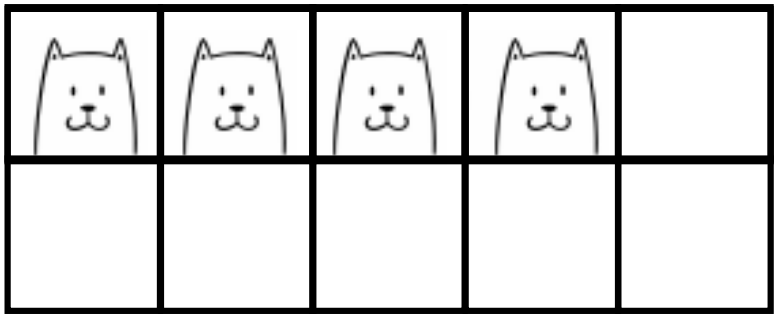
Cut, fold and glue back to back

MAKE 10

4 + ? = 10



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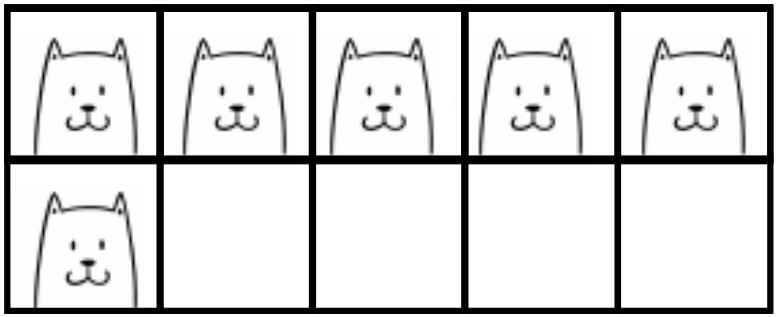
? + 6 = 10



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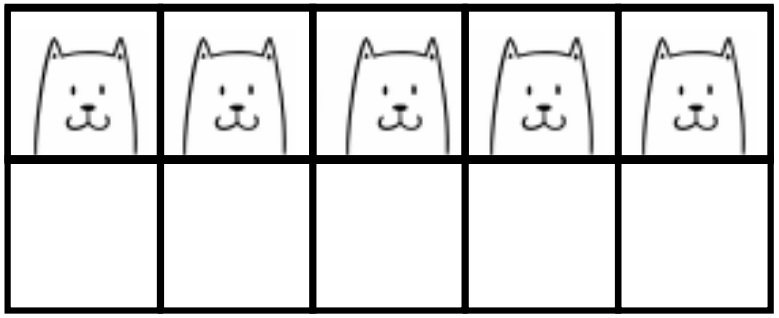
5 + ? = 10



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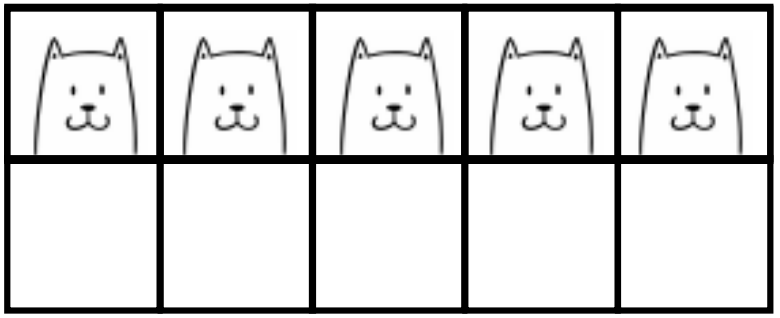
? + 5 = 10



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TURN AROUND FACTS (COMMUTATIVE PROPERTY)

TURN AROUND FACTS

With these cards students will work on adding within 10. It is important to relate the "turn around facts" to each other. The cards are made to be flipped so that students can see the turn around fact by actually turning the card around. Students need to see these relationships and build this understanding from the beginning!

1 + 3

1 + 3

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4

4

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Turn Around Facts

1 + 0

1 + 0

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1

1

www.mathfactfluencyplayground.com

1 + 3

1 + 3

www.mathfactfluencyplayground.com

4

4

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Cut, fold and glue back to back

Turn Around Facts

2 + 9

2 + 6

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8

8

www.mathfactfluencyplayground.com

3 + 7

3 + 7

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10

10

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Cut, fold and glue back to back

Turn Around Facts

2 + 7

2 + 7

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6

9

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2 + 5

2 + 5

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7

7

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Cut, fold and glue back to back

Turn Around Facts

2 + 8

2 + 8

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10

10

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1 + 4

1 + 4

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5

5

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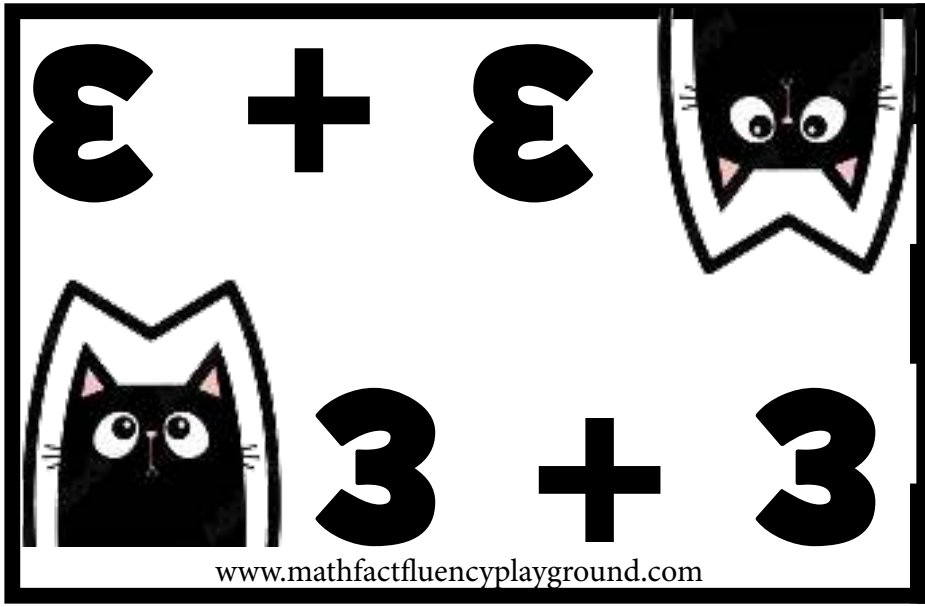
Cut, fold and glue back to back

Turn Around Facts



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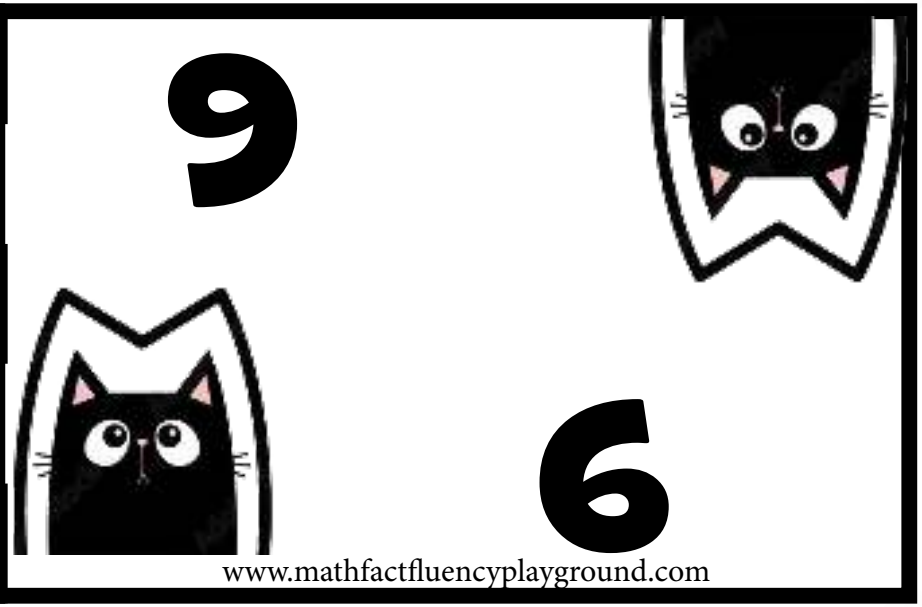

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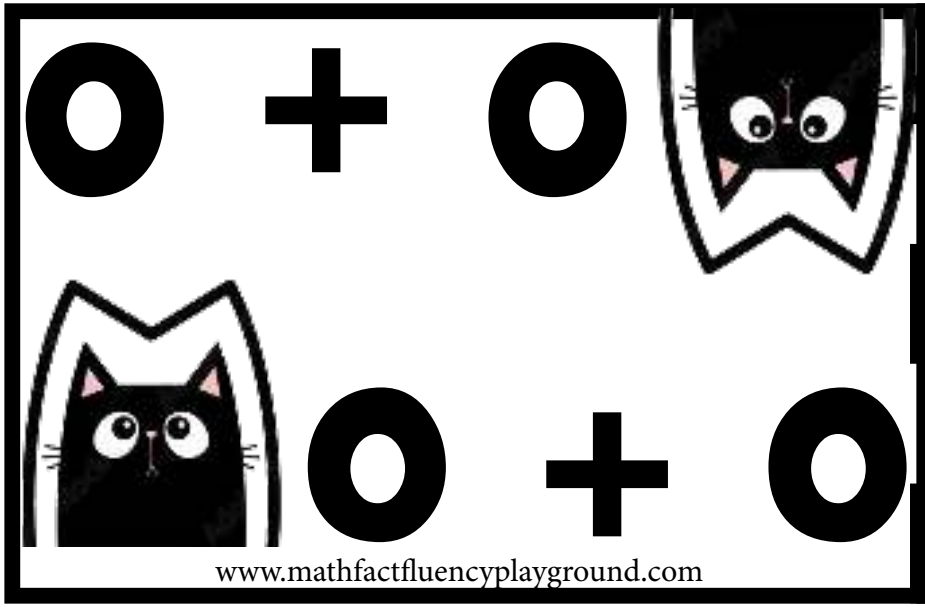

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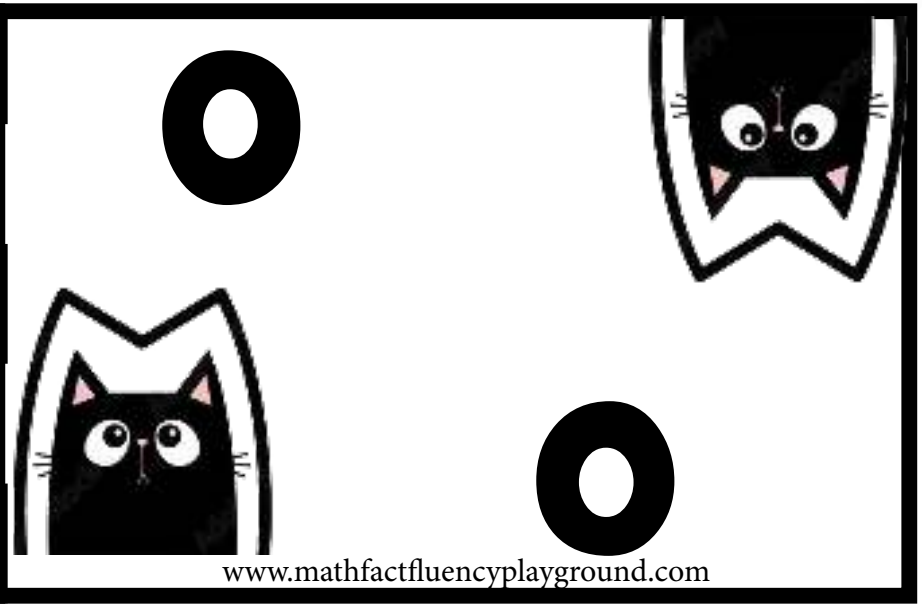

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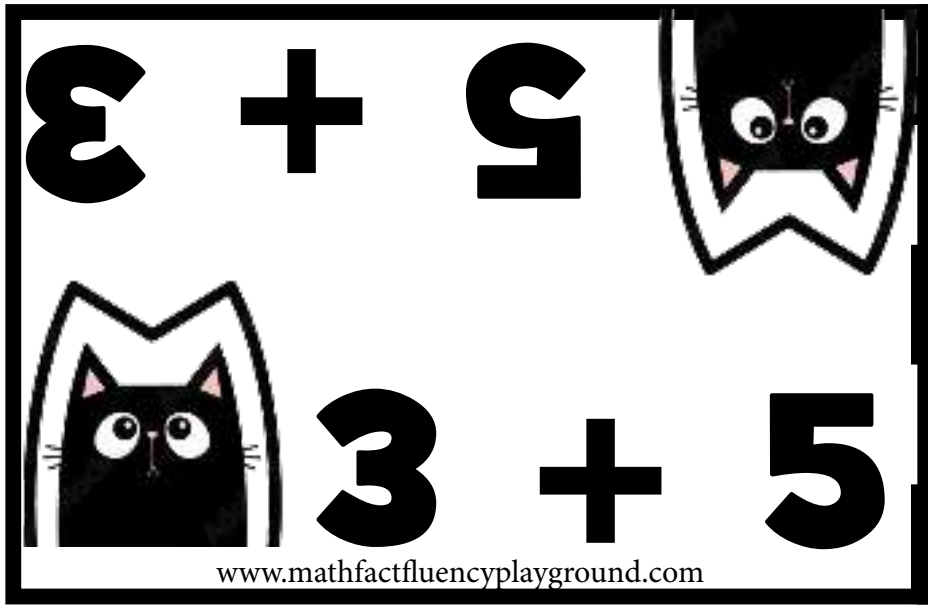
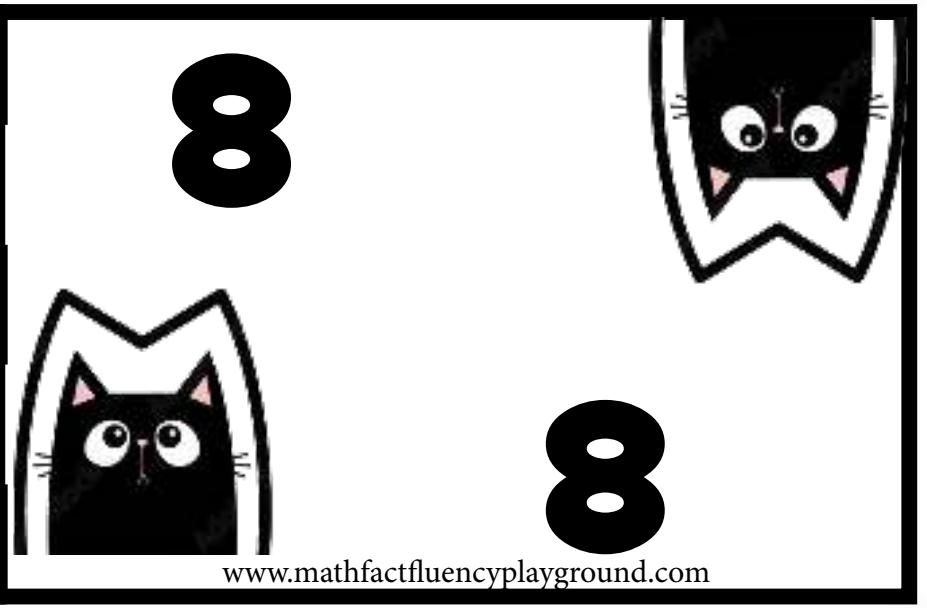
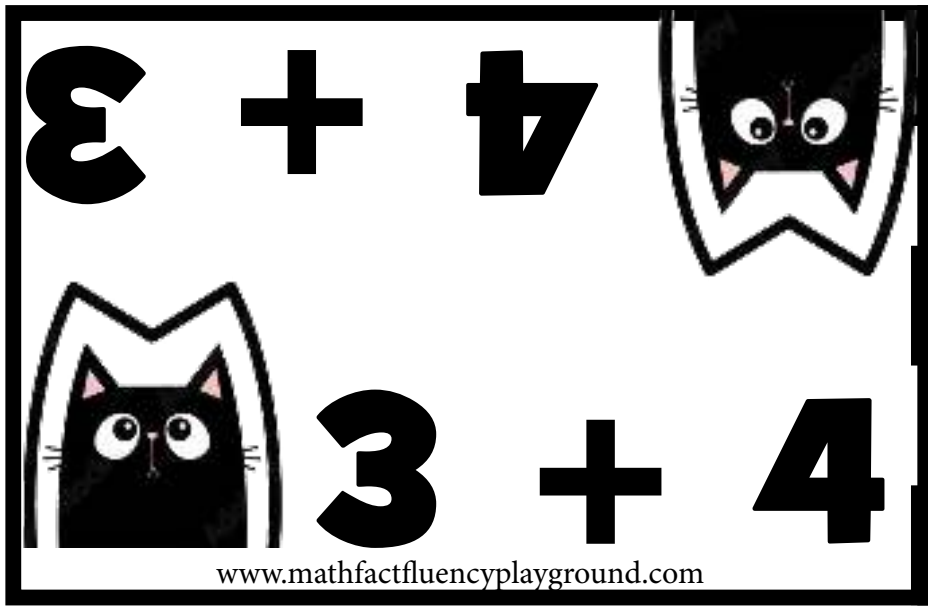
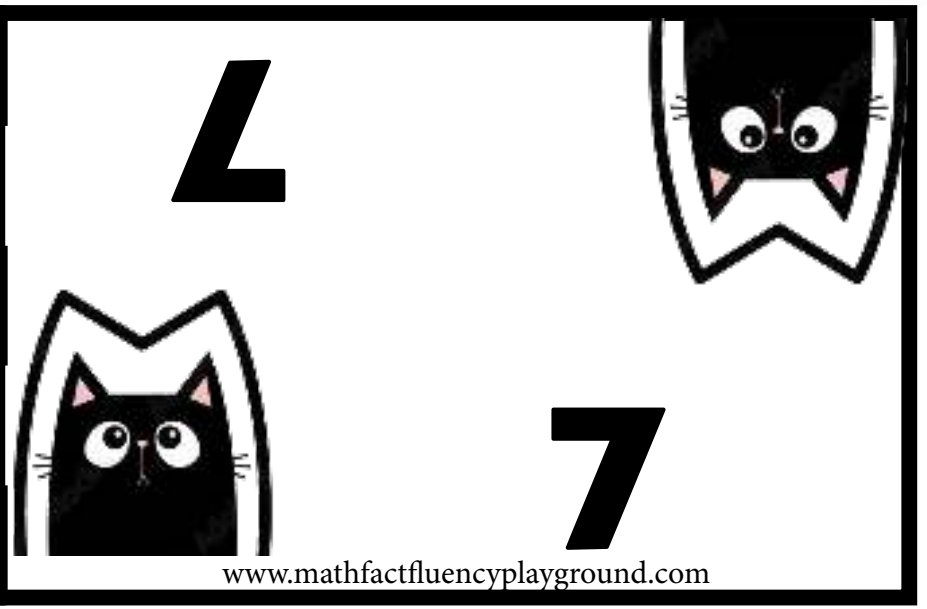
Cut, fold and glue back to back

Turn Around Facts









Turn Around Facts

1 + 1

1 + 1

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2

2

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4 + 9

4 + 6

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10

10

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Cut, fold and glue back to back

Turn Around Facts

0 + 5

0 + 5

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5

5

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4 + 4

4 + 4

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8

8

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Cut, fold and glue back to back

Turn Around Facts

1 + 2

1 + 2

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3

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5 + 5

5 + 5

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10

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Turn Around Facts

2 + 2

2 + 2

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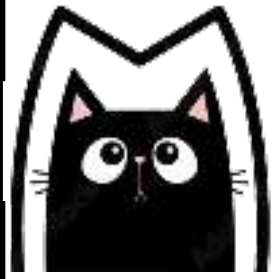
4



4

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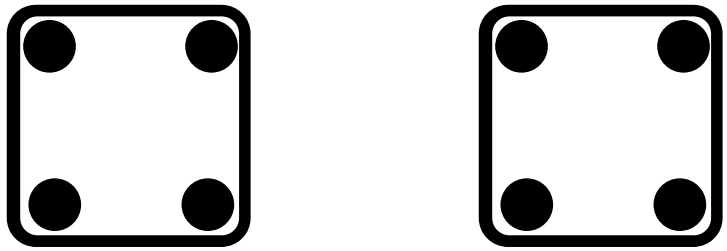
LOWER DOUBLES ADDITION DICE

Lower Doubles Addition Dice

With these cards students are thinking about doubling a number. They should work on their lower doubles (within 10) and then work on their upper doubles (within 20).

4 + 4



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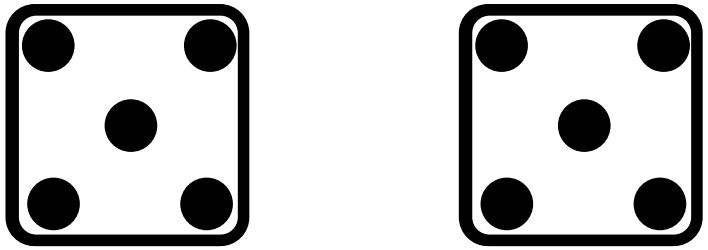
LOWER DOUBLES ADDITION DICE

5 + 5



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10

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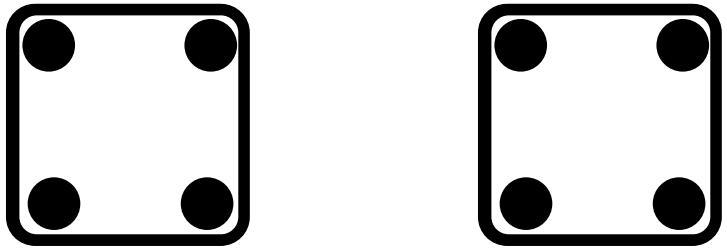
4 + 4



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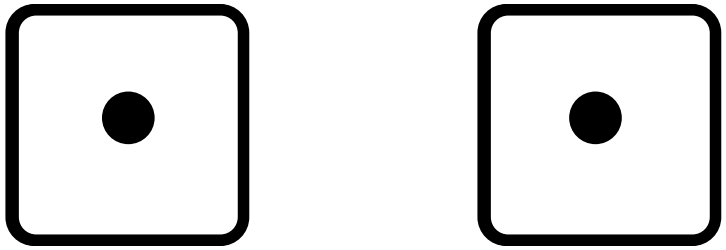
LOWER DOUBLES ADDITION DICE

1 + 1



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2

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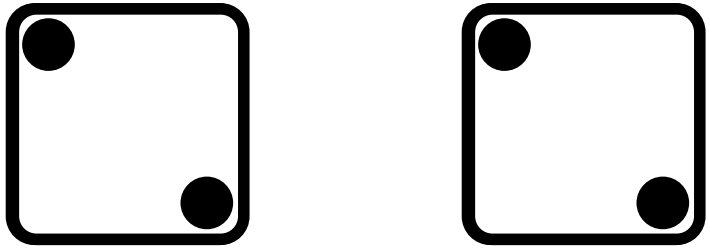
2 + 2



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4

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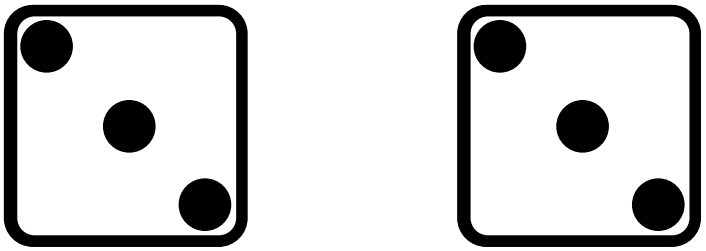
LOWER DOUBLES ADDITION DICE

3 + 3



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6

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ADDING 3 NUMBERS TO 10

Adding 3 Numbers

With these cards students are working on the "associative property of addition." They are learning and practicing that you can add numbers in any order and it doesn't change the problems. Students should learn to look for ways to combine numbers to make the problems easier. They should look for numbers that make 10 and also doubles.

*Look for doubles or make ten facts first

1 + 3 + 3

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Cut, fold and glue back to back

ADDING 3 NUMBERS

*Look for doubles or make ten facts first

1 + 1 + 2

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4

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*Look for doubles or make ten facts first

4 + 4 + 2

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10

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ADDING 3 NUMBERS

*Look for doubles or make ten facts first

2 + 2 + 3

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7

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*Look for doubles or make ten facts first

1 + 4 + 4

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9

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ADDING 3 NUMBERS

*Look for doubles or make ten facts first

1 + 0 + 0

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1

www.mathfactfluencyplayground.com

*Look for doubles or make ten facts first

5 + 5 + 0

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10

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ADDING 3 NUMBERS

*Look for doubles or make ten facts first

1 + 1 + 0

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2

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*Look for doubles or make ten facts first

3 + 0 + 0

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3

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ADDING 3 NUMBERS

*Look for doubles or make ten facts first

2 + 2 + 1

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5

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*Look for doubles or make ten facts first

2 + 2 + 2

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6

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ADDITION MISSING NUMBER

Addition Missing Number

These cards focus on the meaning of the equal sign. We want students to be able to think about the equal sign as "is the same as." You want students to read the equation and think about the numbers. They can also use 2 ten frames to see the problem visually.

$8 = 3 + ?$	5
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ADDITION MISSING NUMBER

$9 = 5 + ?$

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4

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$3 + ? = 8$

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5

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ADDITION MISSING NUMBER

$4 + ? = 8$

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4

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$4 + 2 = ?$

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6

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ADDITION MISSING NUMBER

$4 + 2 = 5 + ?$

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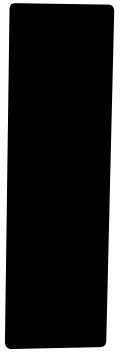

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$5 + ? = 6 + 0$

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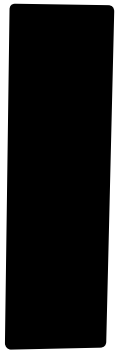

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Cut, fold and glue back to back

ADDITION MISSING NUMBER

1 + 9 = 5 + ?	5
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2 + 8 = 6 + ?	4
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

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ADDITION MISSING NUMBER

$10 = 5 + ?$	5
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com
$1 + ? = 2 + 0$	1
www.mathfactfluencyplayground.com	www.mathfactfluencyplayground.com

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Open the camera on your phone (just like if you are going to take a picture.) Hold the phone over the qr code (picture here on the right.) Tap the link that appears on your screen for your free download.

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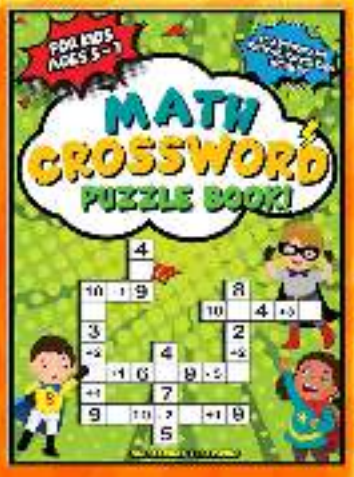

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