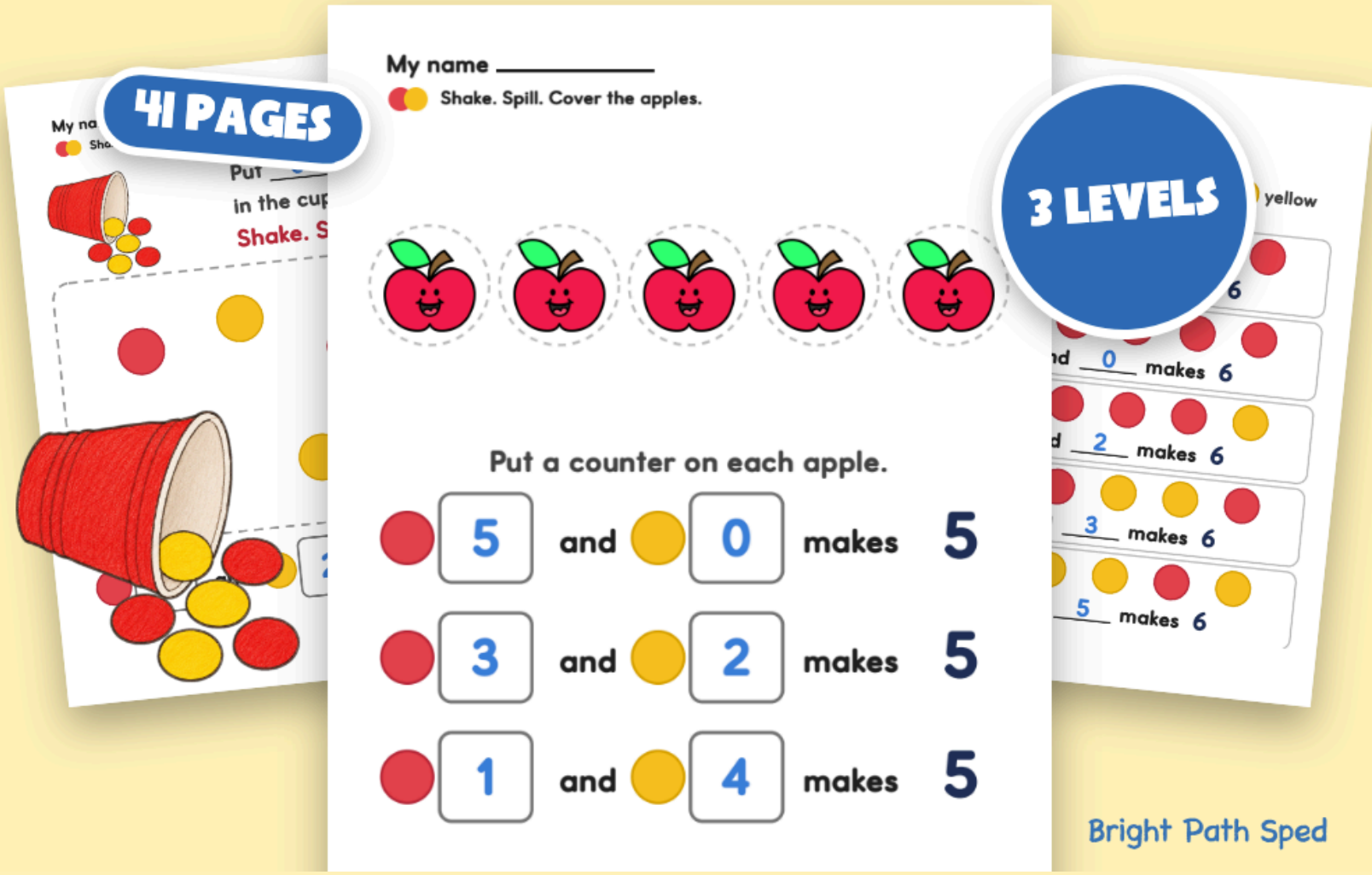
SHAKE AND SPILL

Make Numbers 3 to 10



Bright Path Sped

Preview : Bright Path Sped

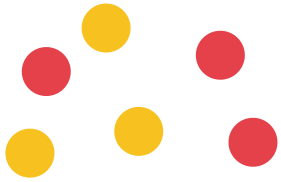
Shake and Spill

Two-color counter number combinations, 3 to 10.

Start here

1. Put the counters for a number in a cup. Shake the cup and spill the counters on the cup mat.
2. Color one row of circles on a record sheet to match the spill: red for red, yellow for yellow.
3. Count each color and write the parts. Spill again for the next row.





What's inside (41 pages)

- 1 cup-and-counters mat: spill zone, a place to count each color, and a set-up line
- 8 color themed mats: one for each number from 3 to 10, with pictures to cover and three __ *and* __ *makes 10* rows
- 24 record sheets: a sheet for each number from 3 to 10, in 3 levels, with 5 spills a sheet
- 1 worked example, 1 supplies and set-up page, 1 data sheet, 1 note for home and a what's next page

The three levels (marked by a shape, never a number)

- ● Color the counters. The number is printed at the top. No writing at all.
- ■ Color, then write the two parts: __ *and* __ *makes 10.*
- ▲ Color, then write the number sentence: __ + __ = *10.*

Which number first

Start with a number the student counts easily. Numbers 3 and 4 are a gentle start; 5 to 10 are the core. Move up a number, or a level, when the student finishes a sheet with ease. The same spill can make the same parts in a different order (4 red and 2 yellow, then 2 red and 4 yellow); both rows count.

Say each spill out loud: "4 red and 2 yellow make 6." Print the sheets in color or in black and white; the circles keep the outline either way.

PREVIEW

Preview : Bright Path Sped

Worked Example

Leo is an invented example student, not a real child.

What Leo does with Make 6

1. Puts 6 counters in the cup and counts them.
2. Shakes the cup, spills, and colors one row of 6 circles to match.
3. Counts the red ones, then the yellow ones, and writes the two parts.
4. Spills again for the next row.

What Leo's record sheet shows (invented numbers)

Spill	Counters	Red	Yellow	Number sentence
1		4	2	4 + 2 = 6
2		3	3	3 + 3 = 6
3		5	1	5 + 1 = 6
4		2	4	2 + 4 = 6
5		6	0	6 + 0 = 6

Every row adds up to **6**. Leo found **5** different ways to make 6. The number 6 has **7** ways in all, from 0 red and 6 yellow up to 6 red and 0 yellow, so he has 2 ways left to find: 0 and 6, 1 and 5.

Same words, every spill

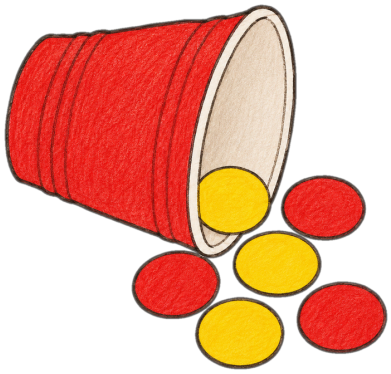
Say the whole sentence together: "4 red and 2 yellow make 6." Then ask: "What if the red and the yellow trade places?" 2 red and 4 yellow also make 6.

PREVIEW

Cup mat

My name _____

Shake. Spill. Count the colors.



Put _____ counters

in the cup.

Shake. Spill!

Spill here

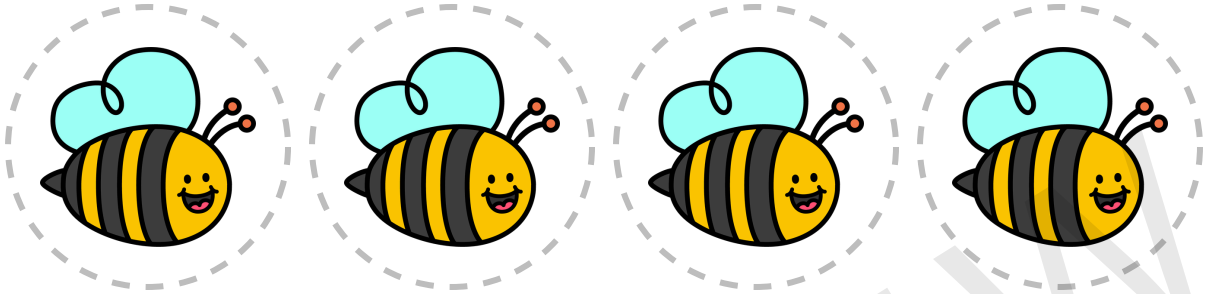
PREVIEW

and makes

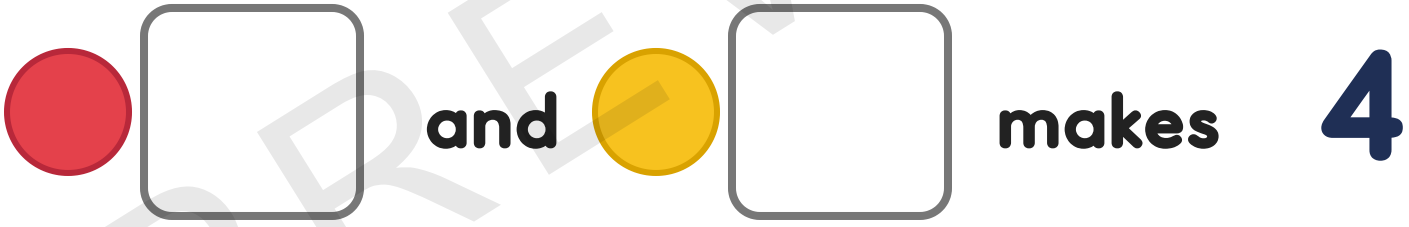
Make 4

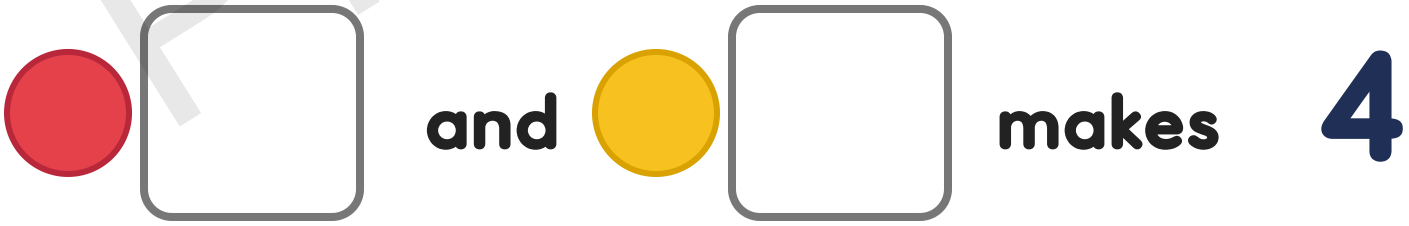
My name _____

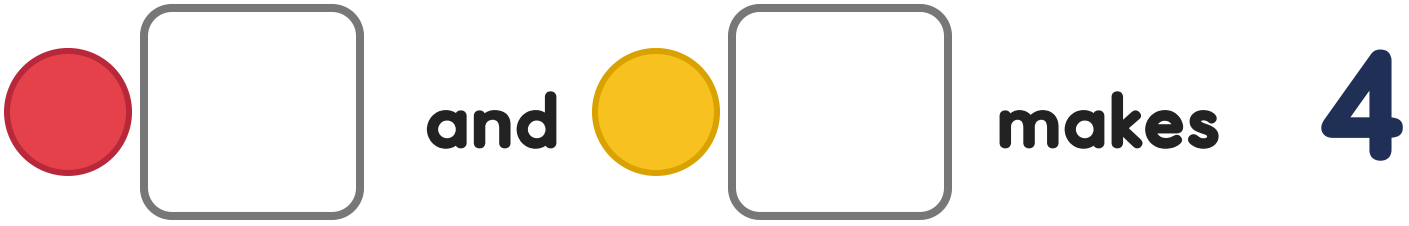
Shake. Spill. Cover the bees.



Put a counter on each bee.





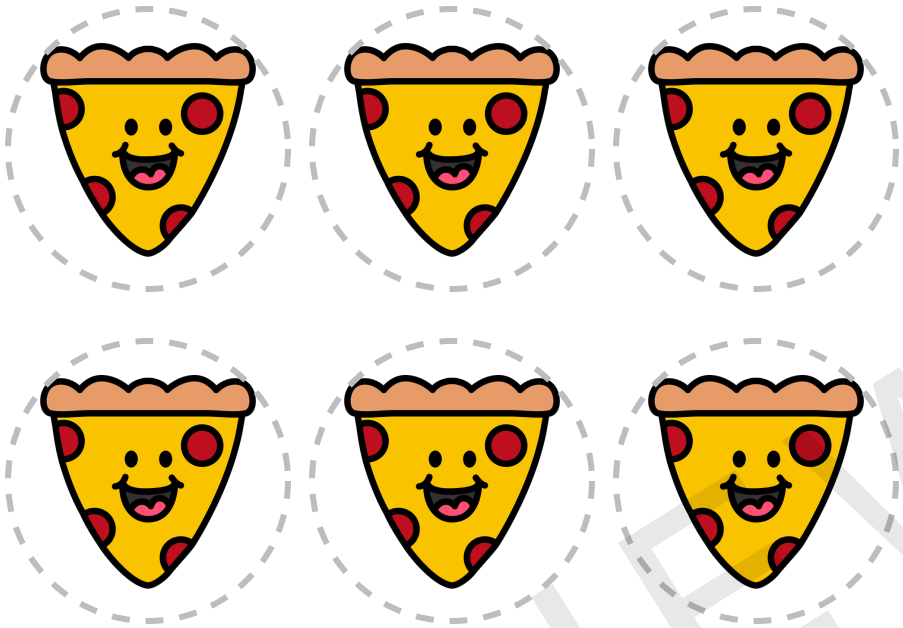


PREVIEW

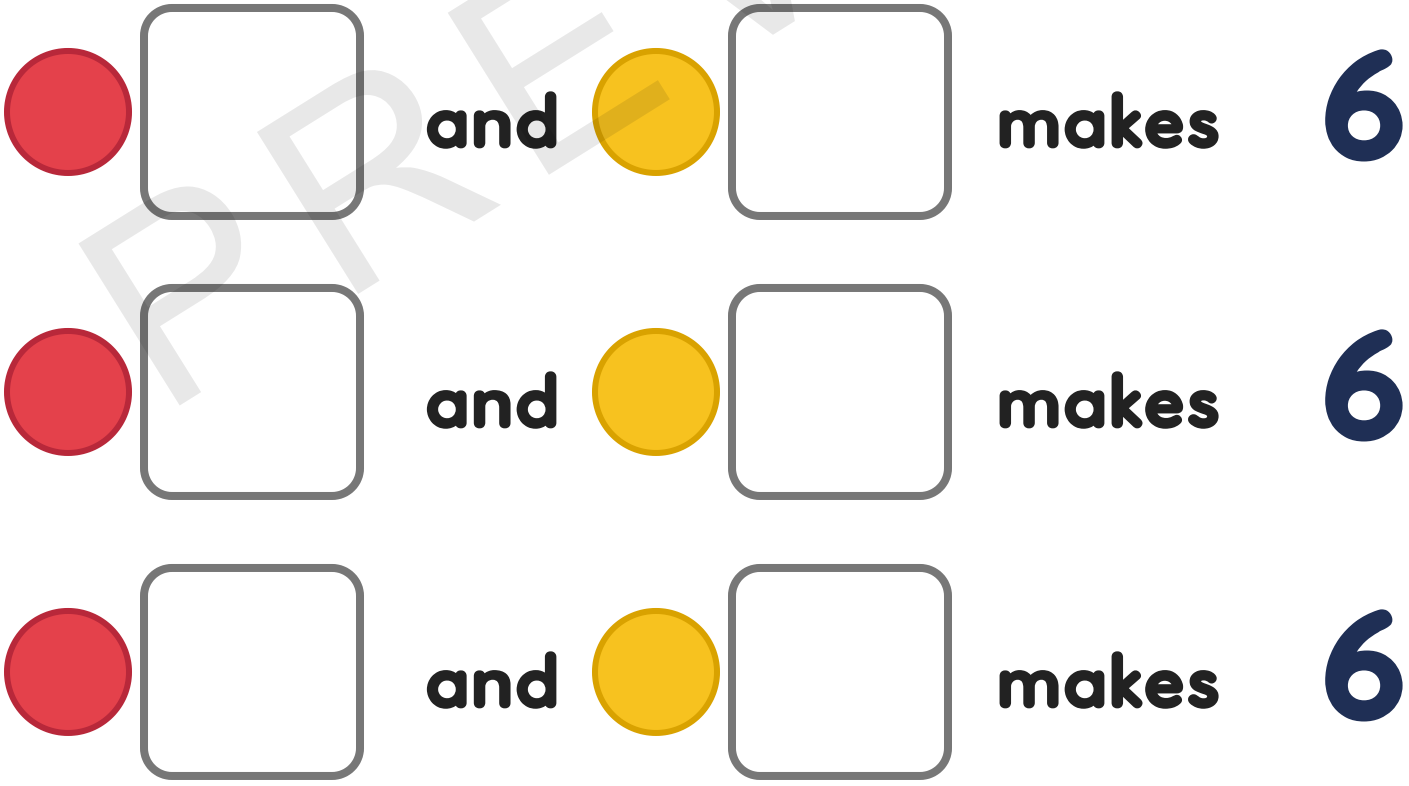
Make 6

My name _____

Shake. Spill. Cover the pizzas.



Put a counter on each pizza.

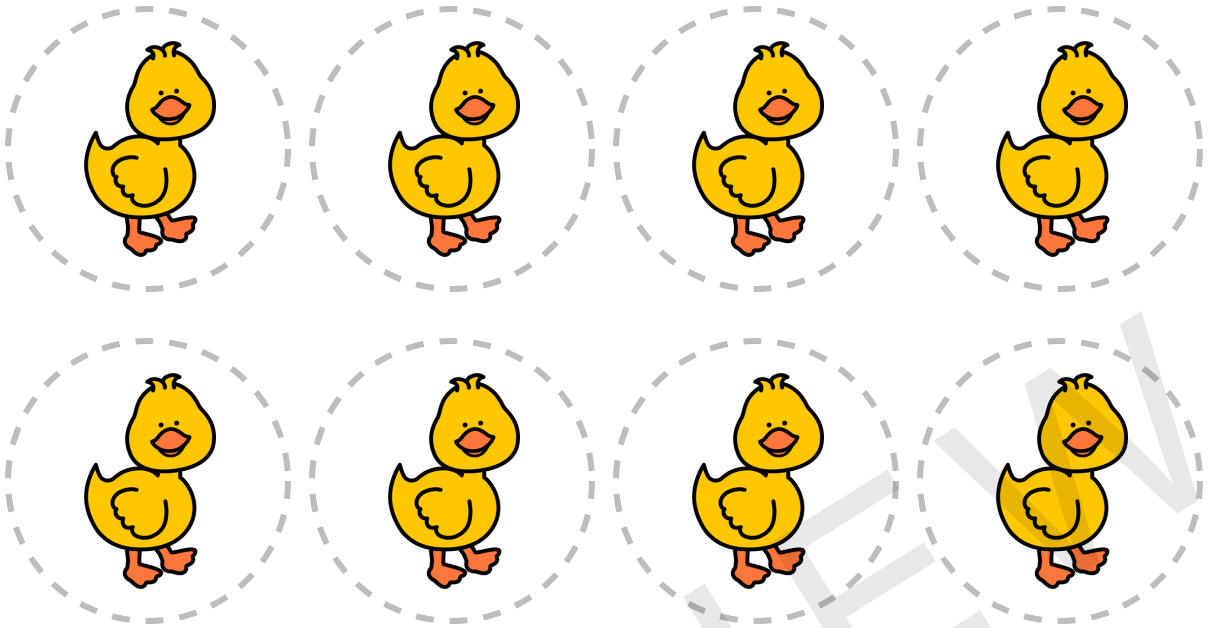


PREVIEW

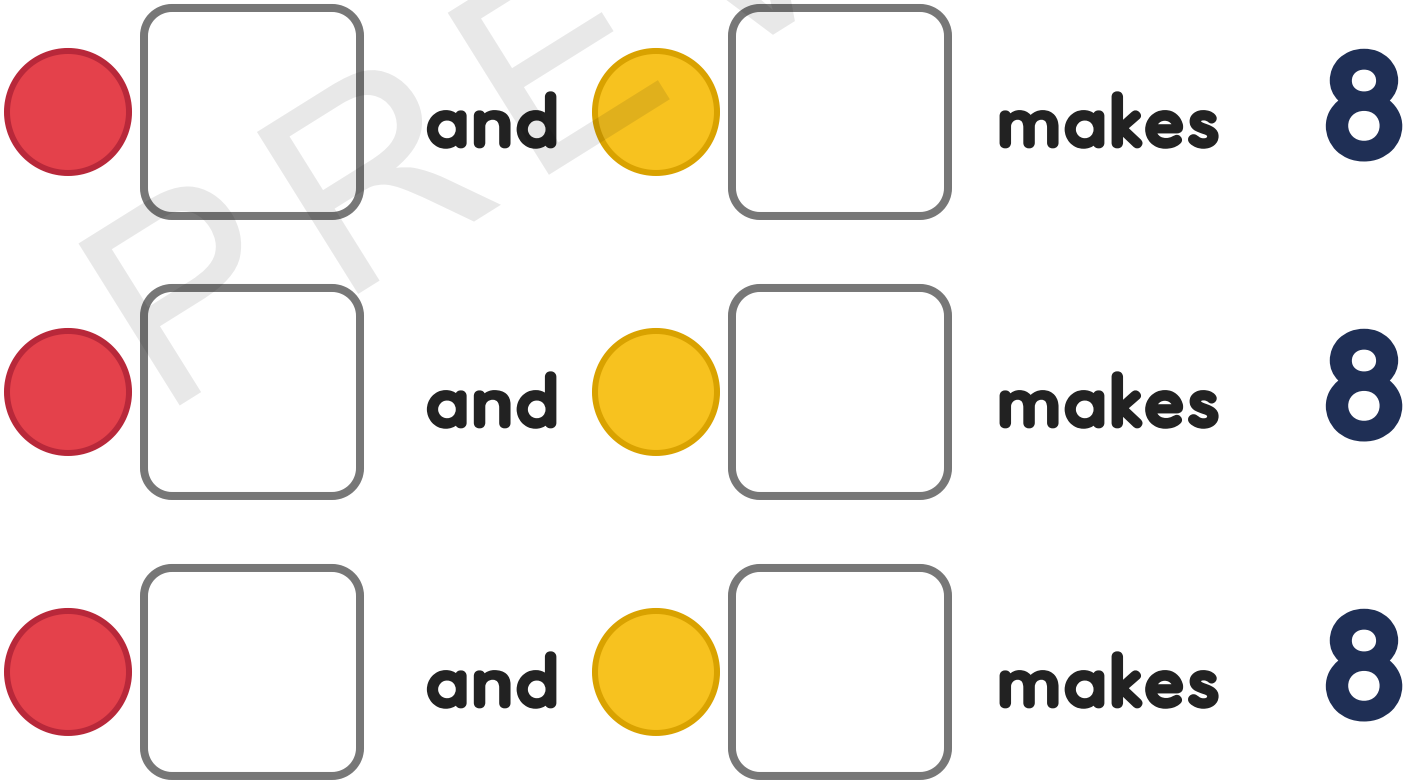
Make 8

My name _____

Shake. Spill. Cover the ducks.



Put a counter on each duck.

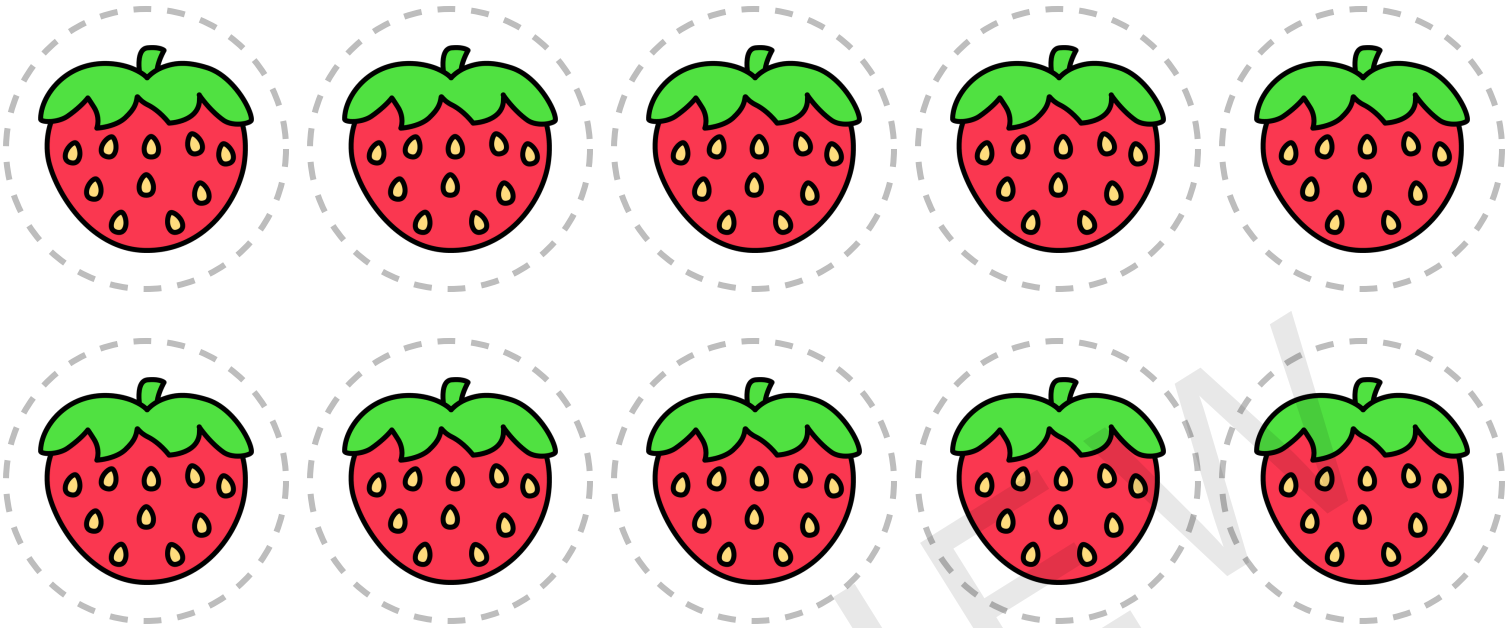


PREVIEW

Make 10

My name _____

Shake. Spill. Cover the strawberries.



Put a counter on each strawberry.

 and makes **10**

 and makes **10**

 and makes **10**

PREVIEW

My name _____

Make 3 ■

Shake. Spill. Color. Write the two parts.

Make 3

red yellow

○ ○ ○

_____ and _____ makes 3

○ ○ ○

_____ and _____ makes 3

○ ○ ○

_____ and _____ makes 3

○ ○ ○

_____ and _____ makes 3

○ ○ ○

_____ and _____ makes 3

PREVIEW

My name _____

Make 4 ■



Shake. Spill. Color. Write the two parts.

Make 4

● red ● yellow

○ ○ ○ ○

_____ and _____ makes 4

○ ○ ○ ○

_____ and _____ makes 4

○ ○ ○ ○

_____ and _____ makes 4

○ ○ ○ ○

_____ and _____ makes 4

○ ○ ○ ○

_____ and _____ makes 4

PREVIEW

My name _____

Make 5

Shake. Spill. Color the counters.

Make 5

red yellow

PREVIEW

My name _____

Shake. Spill. Color. Write the number sentence.

Make 5

red yellow

○ ○ ○ ○ ○

_____ + _____ = 5

○ ○ ○ ○ ○

_____ + _____ = 5

○ ○ ○ ○ ○

_____ + _____ = 5

○ ○ ○ ○ ○

_____ + _____ = 5

○ ○ ○ ○ ○

_____ + _____ = 5

PREVIEW

My name _____

Make 6 ■

Shake. Spill. Color. Write the two parts.

Make 6

red yellow

_____ and _____ makes 6

_____ and _____ makes 6

_____ and _____ makes 6

_____ and _____ makes 6

_____ and _____ makes 6

PREVIEW

My name _____

Make 7

Shake. Spill. Color the counters.

Make 7

red yellow

PREVIEW

My name _____

Make 8

Shake. Spill. Color the counters.

Make 8

red yellow

PREVIEW

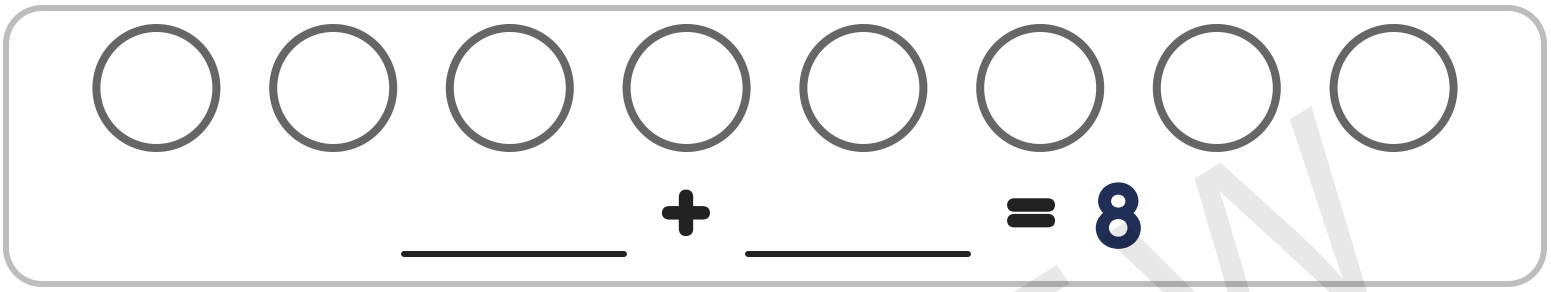
My name _____

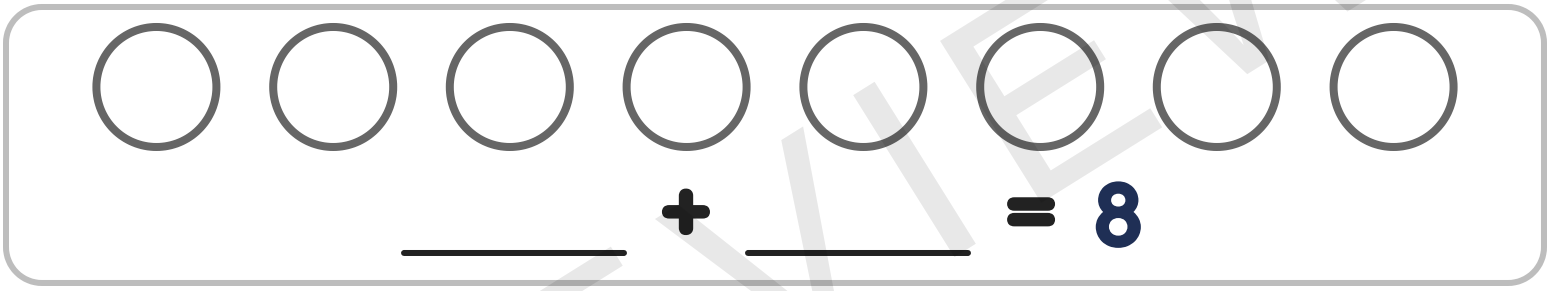
Make 8 ▲

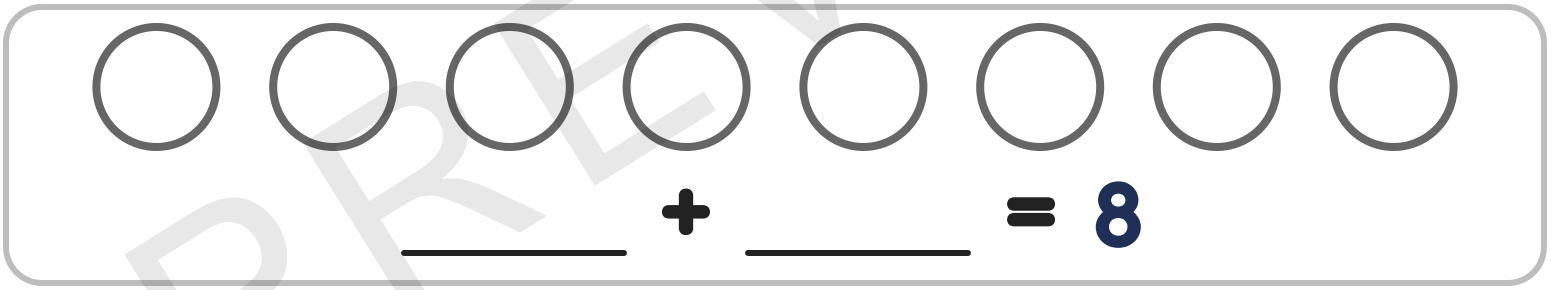
Shake. Spill. Color. Write the number sentence.

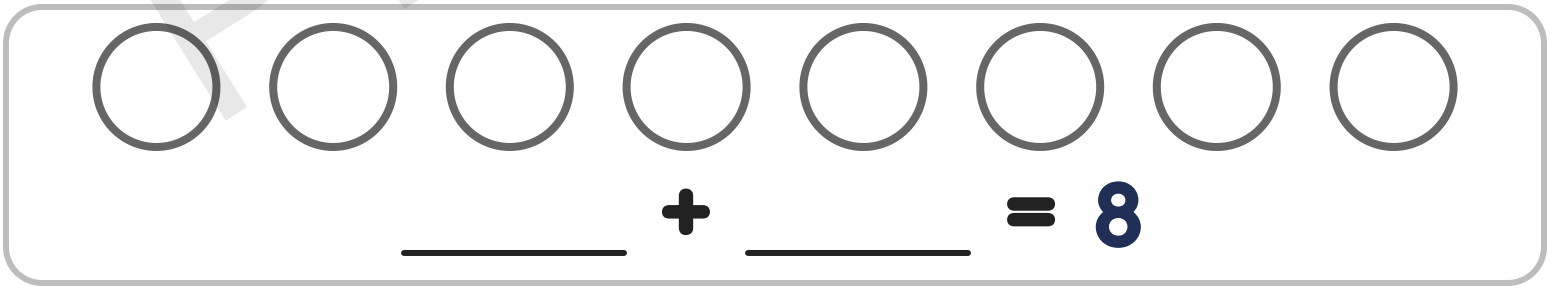
Make 8

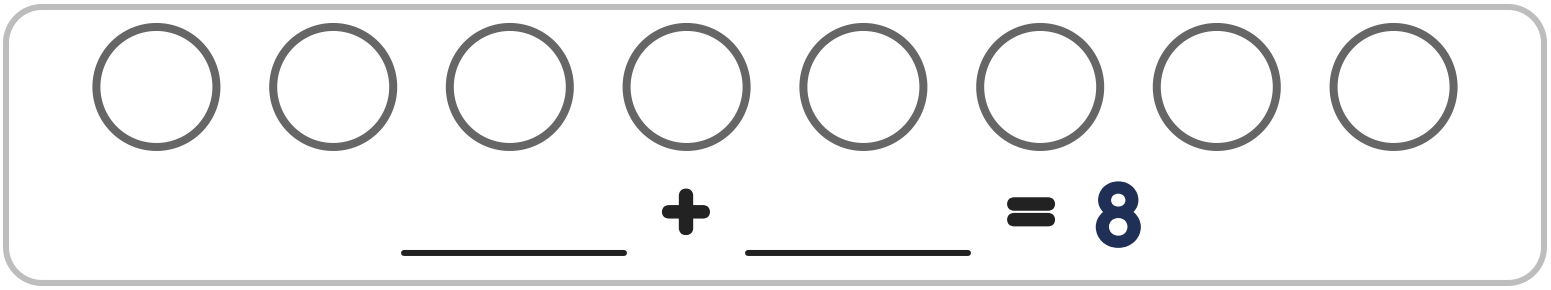
red yellow











PREVIEW

My name _____

Make 9

Shake. Spill. Color. Write the two parts.

Make 9

red yellow

_____ and _____ makes 9

_____ and _____ makes 9

_____ and _____ makes 9

_____ and _____ makes 9

_____ and _____ makes 9

PREVIEW

My name _____

Shake. Spill. Color the counters.

Make 10

red yellow

PREVIEW

My name _____

Shake. Spill. Color. Write the number sentence.

Make 10

red yellow

○○○○○○○○○○

_____ + _____ = 10

○○○○○○○○○○

_____ + _____ = 10

○○○○○○○○○○

_____ + _____ = 10

○○○○○○○○○○

_____ + _____ = 10

○○○○○○○○○○

_____ + _____ = 10

PREVIEW

Preview : Bright Path Sped

Note for Home

Date: _____ Student: _____

Dear family,

This week we are playing Shake and Spill. Your child puts counters in a cup, shakes, spills, and colors circles to match what landed: red for red, yellow for yellow. Then we count each color. It is hands-on practice with the parts of a number.

Try it at home

- No counters? Use 6 pennies or flat beans. Mark one side of each with a red crayon.
- Put the counters in a cup, shake, and spill on a towel so they do not roll away.
- Ask: "How many red? How many yellow? How many in all?"
- Say it together: "4 red and 2 yellow make 6."

Words to say while you play

shake, spill, red, yellow, count, and, makes, plus, equals, all together

What we are working on

_____

_____

How it is going

_____

_____

Notes from home

_____

_____

Thank you,

_____

PREVIEW