Eureka Math

1st Grade
Module 2
Lesson 8

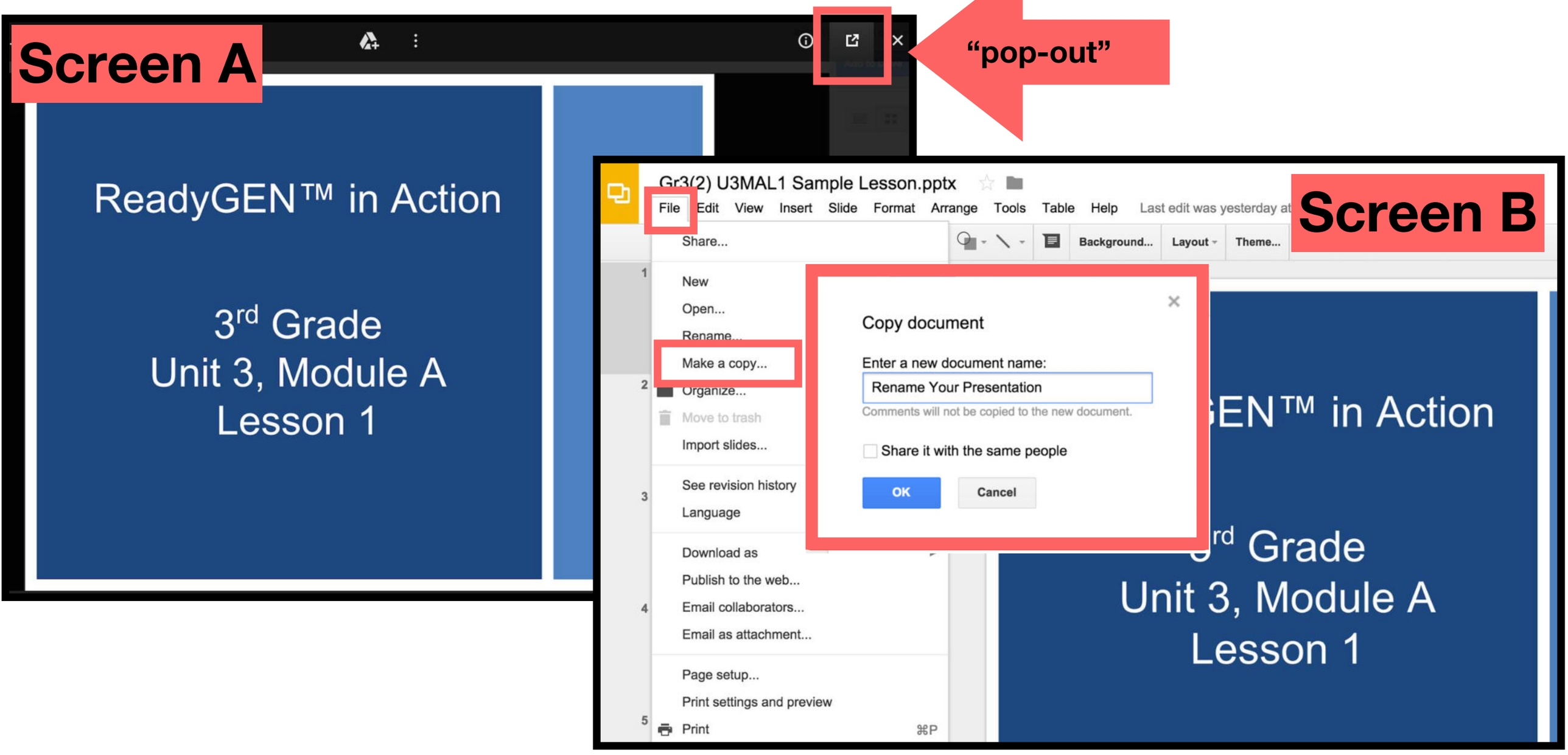
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this project!

Directions for customizing presentations are available on the next slide.

Customize this Slideshow

Reflecting your Teaching Style and Learning Needs of Your Students

- ➢ When the Google Slides presentation is opened, it will look like Screen A.
- ➢ Click on the “pop-out” button in the upper right hand corner to change the view.
- ➢ The view now looks like Screen B.
- ➢ Within Google Slides (not Chrome), choose FILE.
- ➢ Choose MAKE A COPY and rename your presentation.
- ➢ Google Slides will open your renamed presentation.
- ➢ It is now editable & housed in MY DRIVE.

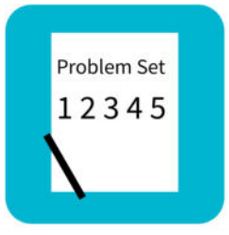


Icons

Read, Draw, Write

Learning Target

Personal White Board

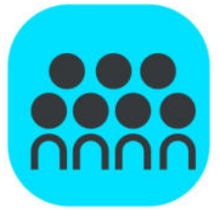


Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

Small Group Time

Materials Needed

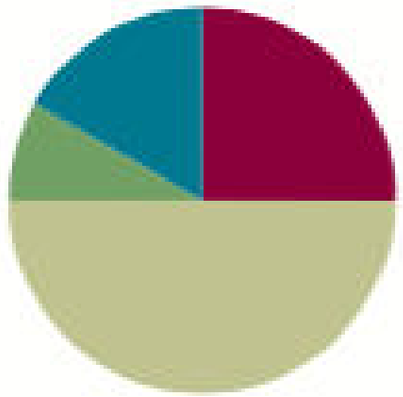
- (S) 9 + n Using Make Ten Sprint
- (T) 10 blue and 10 yellow linking cubes
- (T) ten-frame border

Lesson 8

Objective: Make ten when one addend is 8.

Suggested Lesson Structure

Fluency Practice	(15 minutes)
Application Problem	(5 minutes)
Concept Development	(30 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**



I can make 10 with one addend is 8.

Happy Counting by Twos

Let's play Happy Counting! We're going to count by twos from 0 to 20.

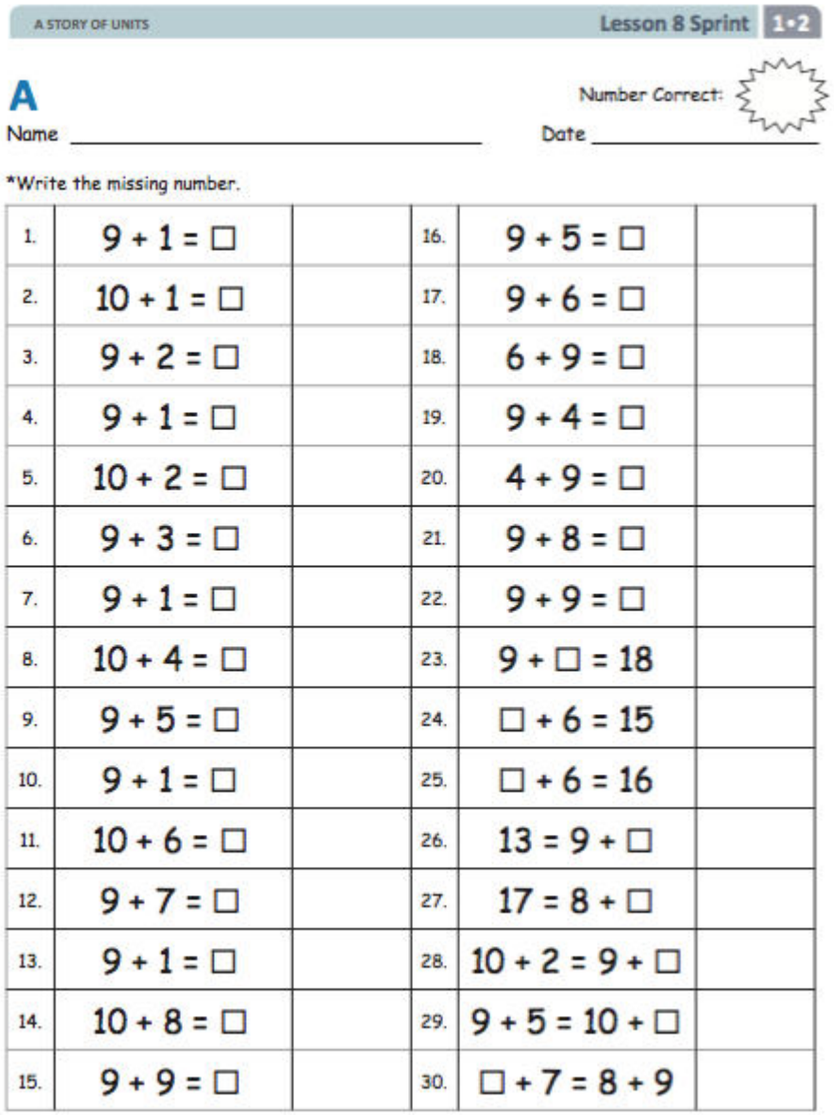
When I hold my hand like this (point thumb and motion up), I want you to count **up**.

If I put my hand like this (point thumb and motion down), I want you to count **down**.

If I do this (thumb to the side) that means **stop**, but try hard to remember the last number you said.

Sprint: 9 + n
Using Make Ten

Let’s do a Sprint!



A STORY OF UNITS — Lesson 8 Sprint 1•2

A

Number Correct:

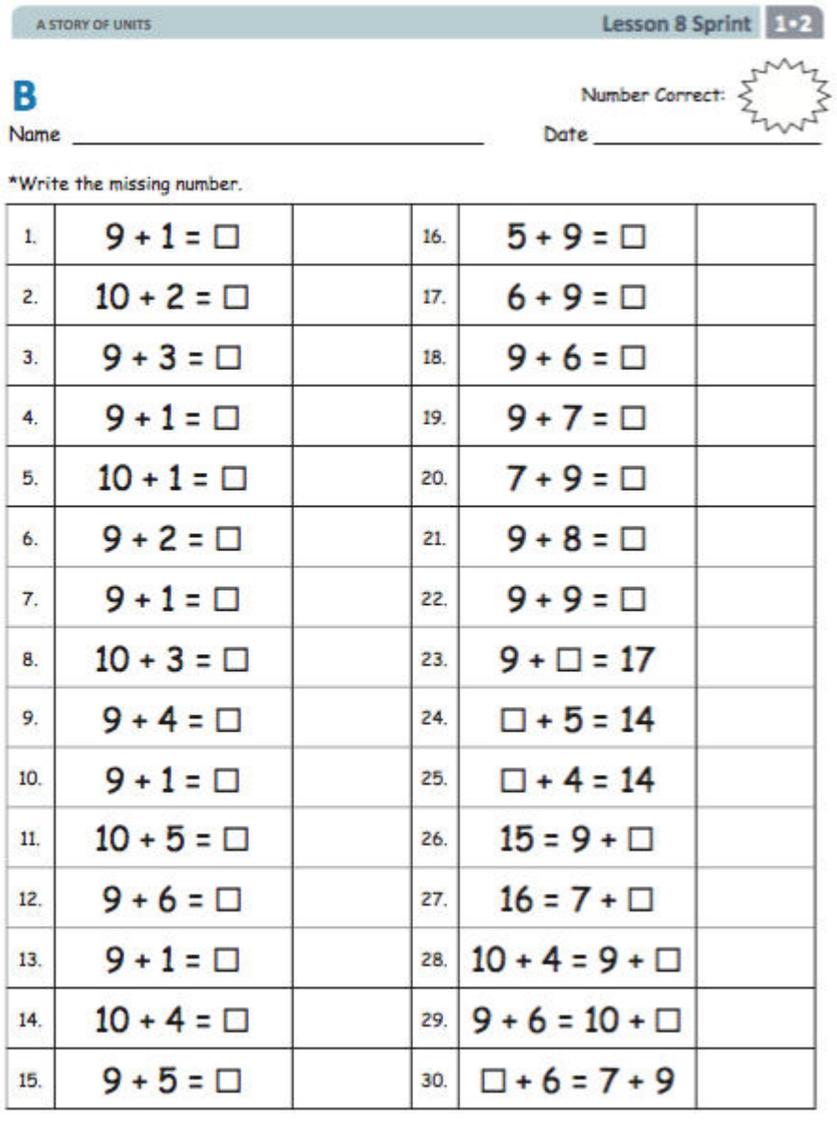
Name _____ Date _____

*Write the missing number.

1.	9 + 1 = ☐		16.	9 + 5 = ☐	
2.	10 + 1 = ☐		17.	9 + 6 = ☐	
3.	9 + 2 = ☐		18.	6 + 9 = ☐	
4.	9 + 1 = ☐		19.	9 + 4 = ☐	
5.	10 + 2 = ☐		20.	4 + 9 = ☐	
6.	9 + 3 = ☐		21.	9 + 8 = ☐	
7.	9 + 1 = ☐		22.	9 + 9 = ☐	
8.	10 + 4 = ☐		23.	9 + ☐ = 18	
9.	9 + 5 = ☐		24.	☐ + 6 = 15	
10.	9 + 1 = ☐		25.	☐ + 6 = 16	
11.	10 + 6 = ☐		26.	13 = 9 + ☐	
12.	9 + 7 = ☐		27.	17 = 8 + ☐	
13.	9 + 1 = ☐		28.	10 + 2 = 9 + ☐	
14.	10 + 8 = ☐		29.	9 + 5 = 10 + ☐	
15.	9 + 9 = ☐		30.	☐ + 7 = 8 + 9	

Sprint: 9 + n
Using Make Ten

Let’s do a Sprint!



A STORY OF UNITS — Lesson 8 Sprint 1•2

B

Number Correct:

Name _____ Date _____

*Write the missing number.

1.	9 + 1 = ☐		16.	5 + 9 = ☐	
2.	10 + 2 = ☐		17.	6 + 9 = ☐	
3.	9 + 3 = ☐		18.	9 + 6 = ☐	
4.	9 + 1 = ☐		19.	9 + 7 = ☐	
5.	10 + 1 = ☐		20.	7 + 9 = ☐	
6.	9 + 2 = ☐		21.	9 + 8 = ☐	
7.	9 + 1 = ☐		22.	9 + 9 = ☐	
8.	10 + 3 = ☐		23.	9 + ☐ = 17	
9.	9 + 4 = ☐		24.	☐ + 5 = 14	
10.	9 + 1 = ☐		25.	☐ + 4 = 14	
11.	10 + 5 = ☐		26.	15 = 9 + ☐	
12.	9 + 6 = ☐		27.	16 = 7 + ☐	
13.	9 + 1 = ☐		28.	10 + 4 = 9 + ☐	
14.	10 + 4 = ☐		29.	9 + 6 = 10 + ☐	
15.	9 + 5 = ☐		30.	☐ + 6 = 7 + 9	

Take Out 2: Addition Sentences

I will say a number between 2 and 10. You say an addition sentence beginning with 2!

For example, if I show you 8 you are going to say

2 + 6

Take Out 2: Addition Sentences

Get Ready to take out 2!

4

Take Out 2: Addition Sentences

Get Ready to take out 2!

4

2 + 2

Take Out 2: Addition Sentences

Get Ready to take out 2!

6

Take Out 2: Addition Sentences

Get Ready to take out 2!

6

2 + 4

Take Out 2: Addition Sentences

Get Ready to take out 2!

5

Take Out 2: Addition Sentences

Get Ready to take out 2!

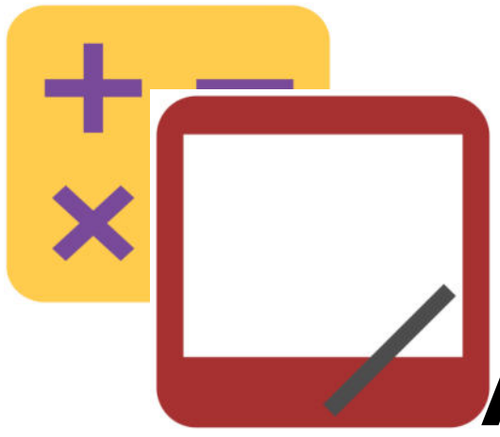
5

2 + 3

Take Out 2: Addition Sentences

Get Ready to take out 2!

8



Take Out 2: Addition Sentences

Get Ready to take out 2!

8

2 + 6

Take Out 2: Addition Sentences

Get Ready to take out 2!

7

Take Out 2: Addition Sentences

Get Ready to take out 2!

7

2 + 5

Take Out 2: Addition Sentences

Get Ready to take out 2!

10

Take Out 2: Addition Sentences

Get Ready to take out 2!

10

2 + 8

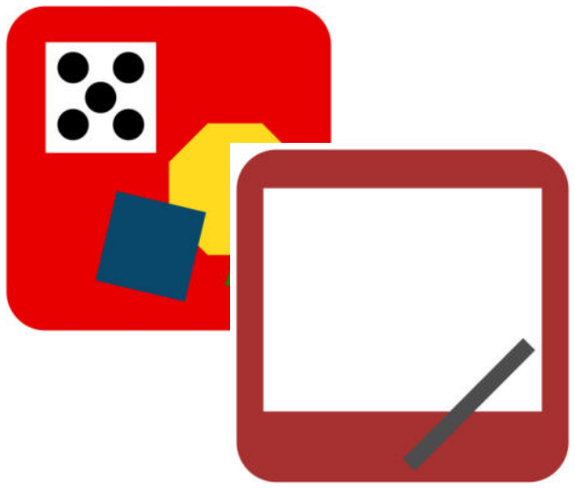
Application Problem

A tree lost 8 leaves one day and 4 leaves the next. How many leaves did the tree lose at the end of the two days? Use a number bond, a number sentence, and a statement to match the story.

Concept Development

Let’s read this story problem:

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?



Concept Development

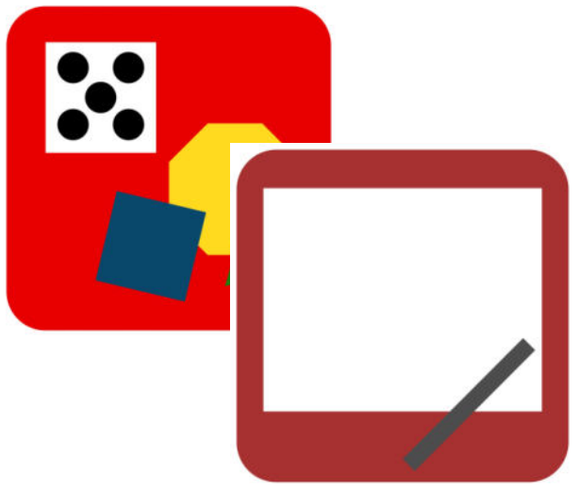
Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

What is the expression to solve this problem?

Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

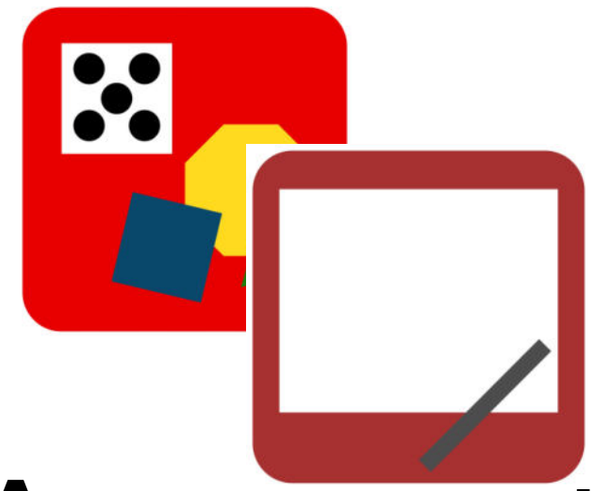
The expression is 8 + 3!



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

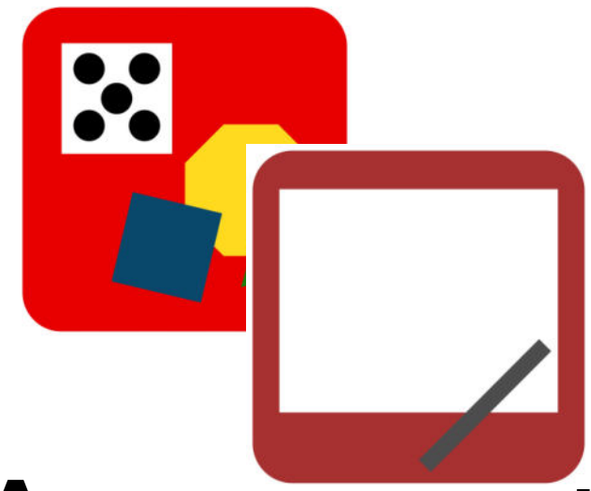
How many cubes of 1 color do I need to represent the number of letters Amy wrote? How should I arrange it?



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

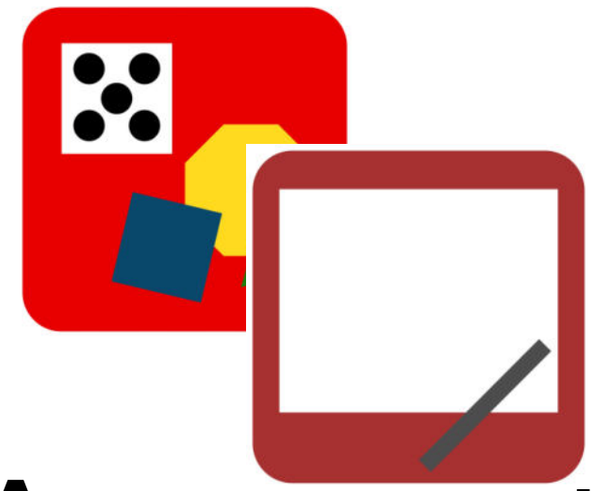
I heard you say 8 cubes and to put them in a 5-group.



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

Why should I organize them in 5-group?



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

It’s easy for everyone to see that there are 8 instead of counting the cubes!

Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

With your partner, figure out how many letters Amy and Peter wrote. Use your personal white board to record your work.

Concept Development

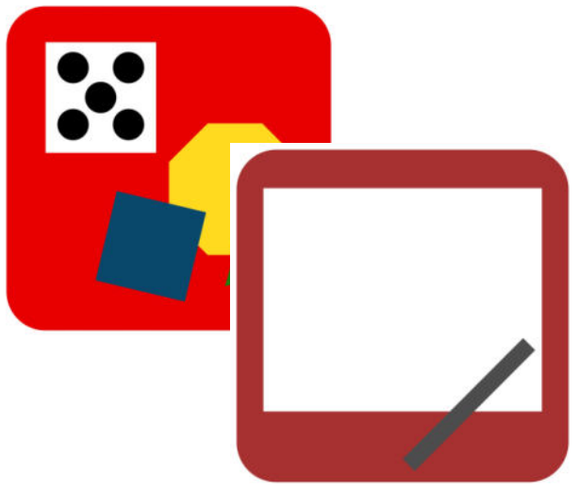
Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

How many letters did Amy and Peter write?

Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

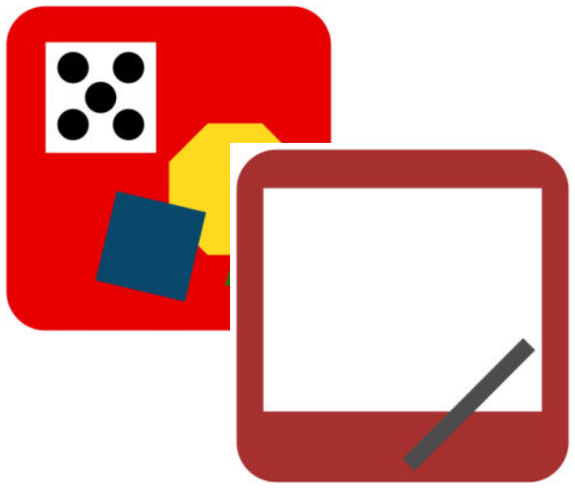
How did you solve the problem?



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

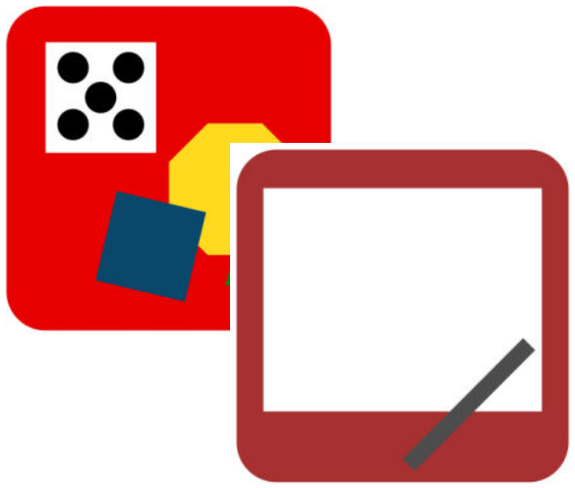
Let’s all try using this last strategy of making ten to solve this problem.



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

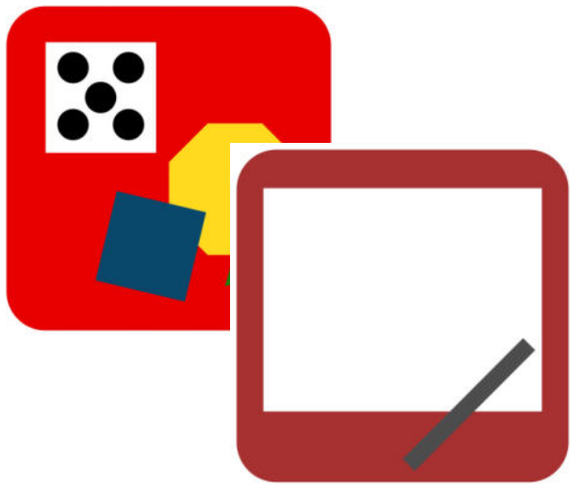
I’ve laid out 8 cubes. How many cubes of one color do I need to represent the number of letters Peter wrote?



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

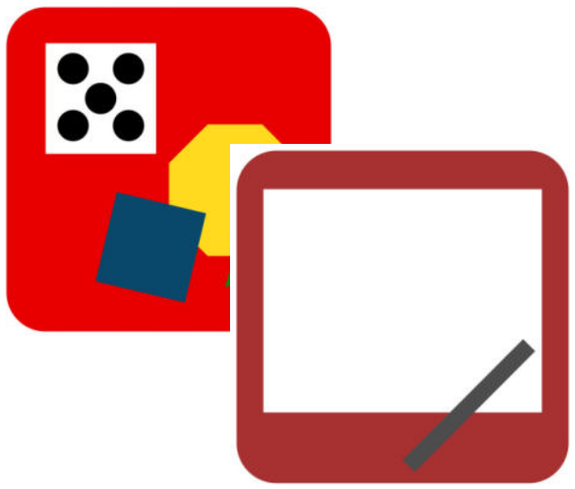
I need 3 more cubes!



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

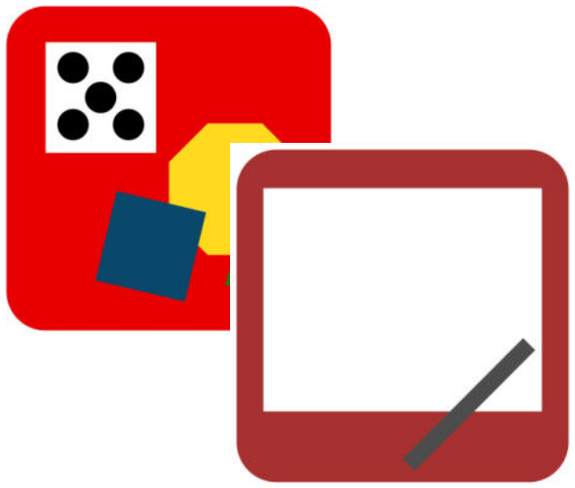
Make ten!



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

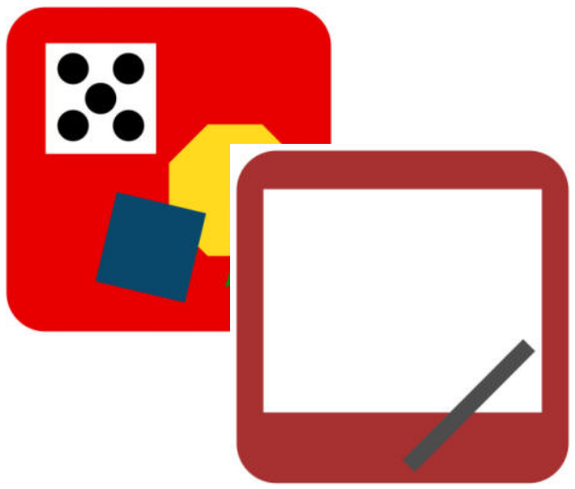
How many does 8 need to make ten?



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

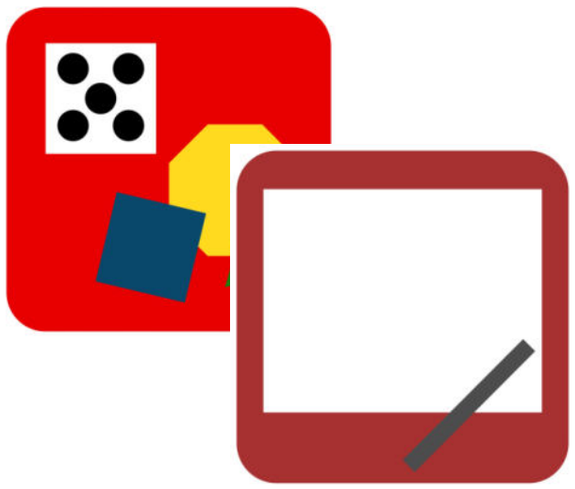
8 needs 2 to make 10!



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

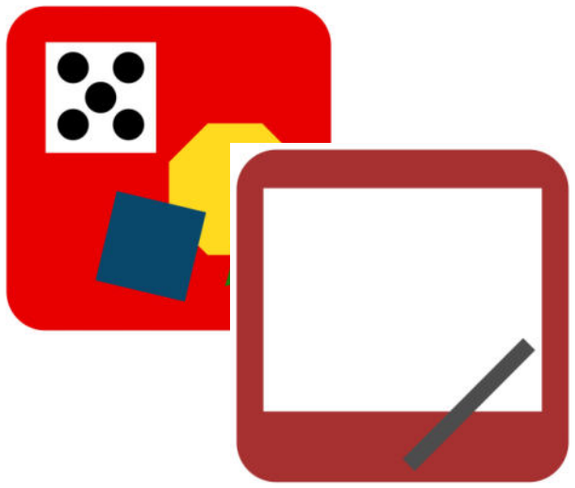
Now that we have 10 here, we can put a frame around it. Look at the new piles. What expression is 8 + 3 equal to?



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

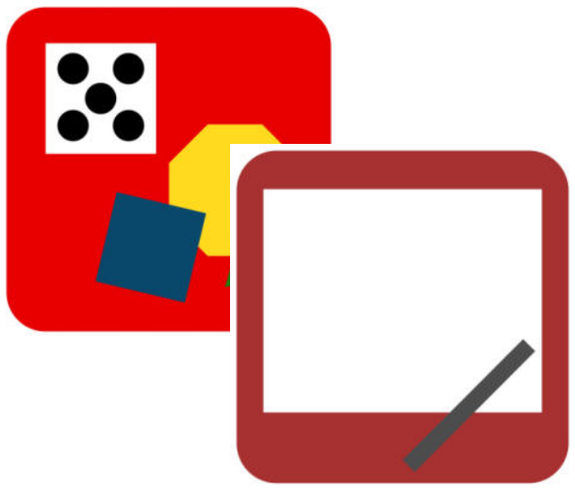
Let’s write a true number sentence using these expressions.



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

8 + 3 = 10 + 1

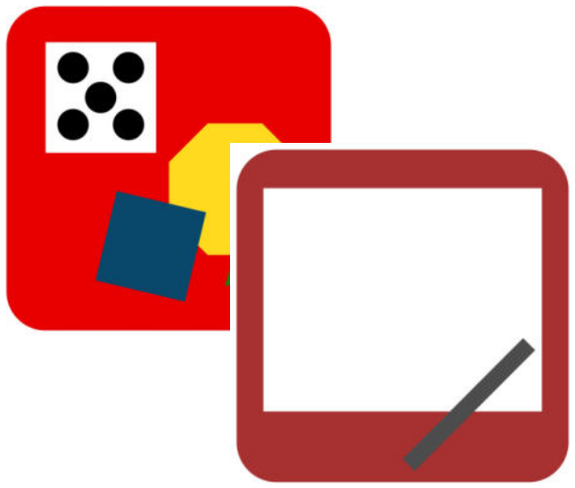


Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

8 + 3 = 10 + 1

What's 10 + 1?



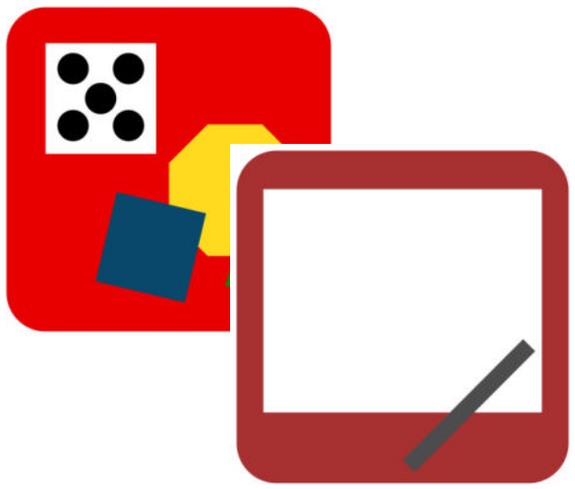
Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

8 + 3 = 10 + 1

10 + 1 = 11

So, what is 8 + 3? Say the number sentence.



Concept Development

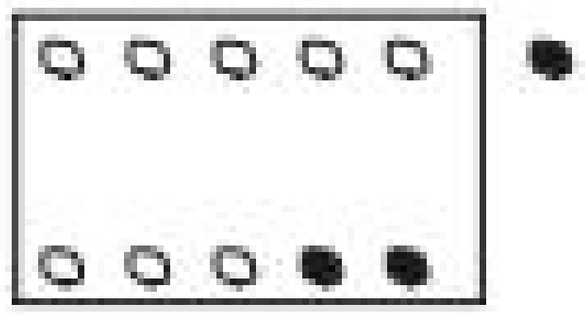
Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

Show me on your board how we solved 8 + 3. Remember, it's easy to show how we are solving 8 + 3 if we organize our math drawings just like the way we organized the cubes. Use empty circles to represent 8 and dark circles to represent 3. Don't forget to put a frame around the 10 cubes!

Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

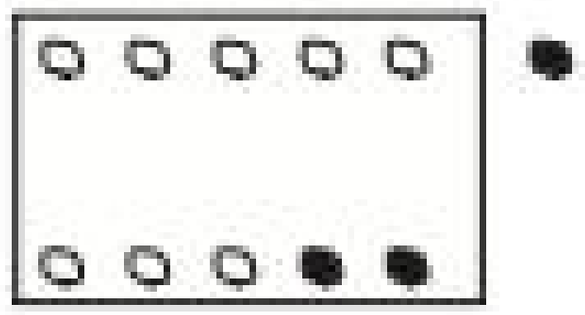
Where is the 3 in your picture?



Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

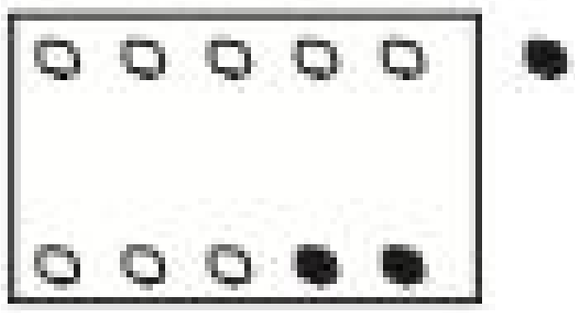
It’s the 2 and 1!

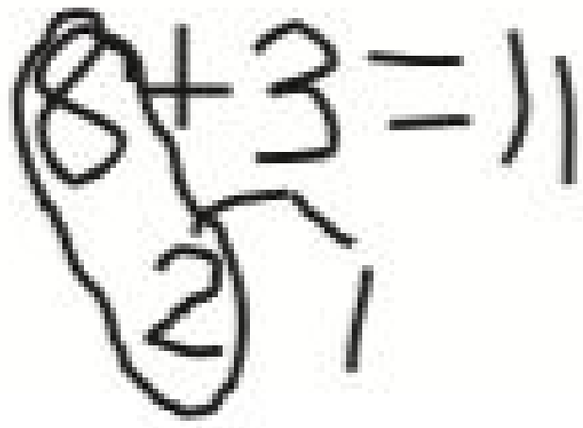


Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

8 and 2 make...?

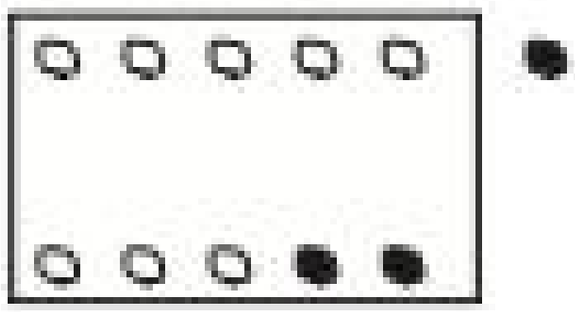


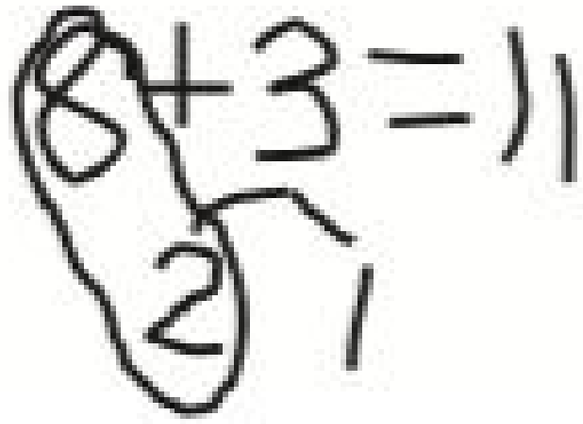


Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

10 and 1 make...?

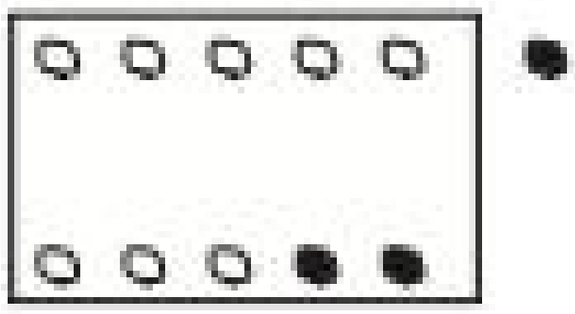


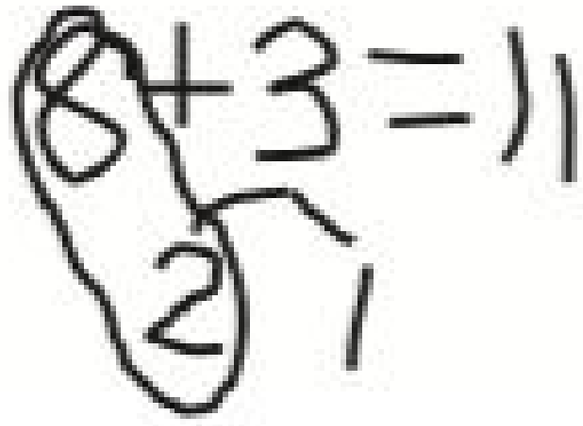


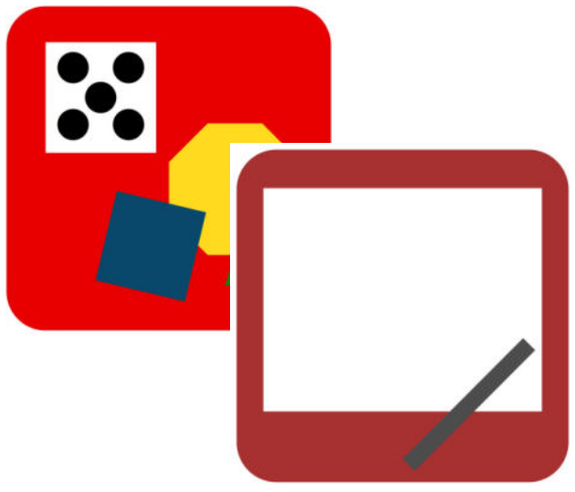
Concept Development

Amy wrote 8 letters to her friends. Peter wrote 3 to his friends. How many letters did they write?

So, 8 plus 3 equals...?



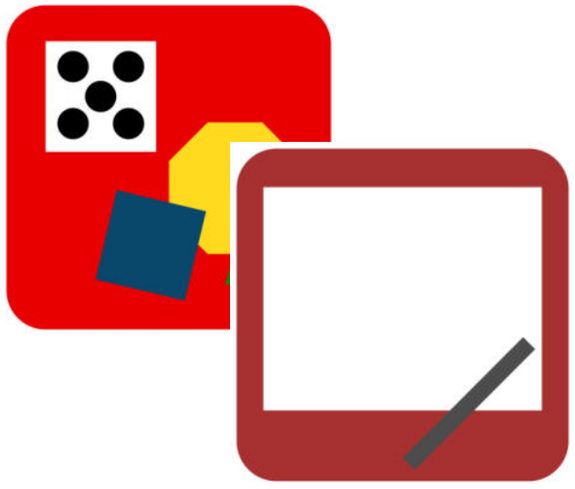




Concept Development

Let's practice more!

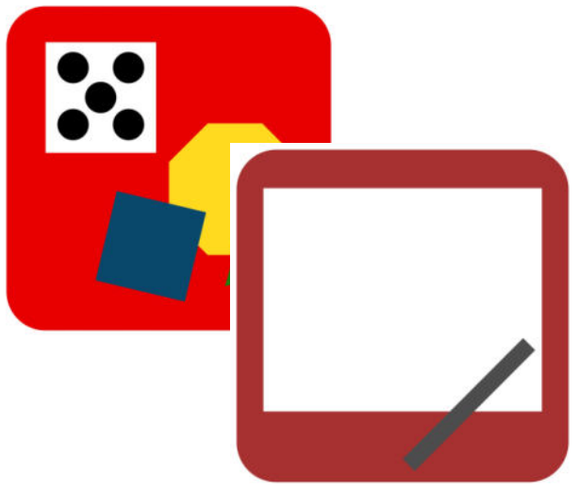
1. **I will show you an expression.**
2. **We will you make 10 with my linking cubes under the document camera.**
3. **You will make a math drawing using 5-groups with open circles for one added and filled in circles for the other.**
4. **You will write a number bond, equations, and an equivalent expression.**



Concept Development

8 + 4

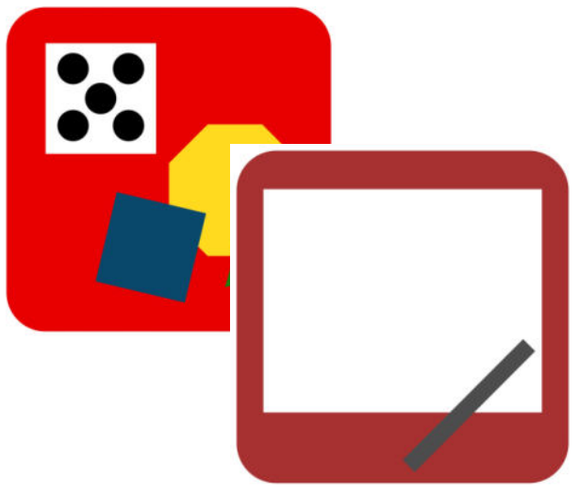
Let’s show making 10 with linking cubes.



Concept Development

8 + 4

Next make a math drawing using 5-groups with open circles for one added and filled in circles for the other.

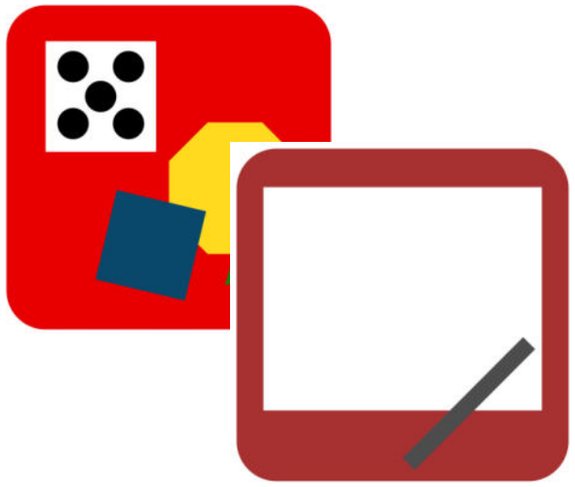


Concept Development

8 + 4

2 2

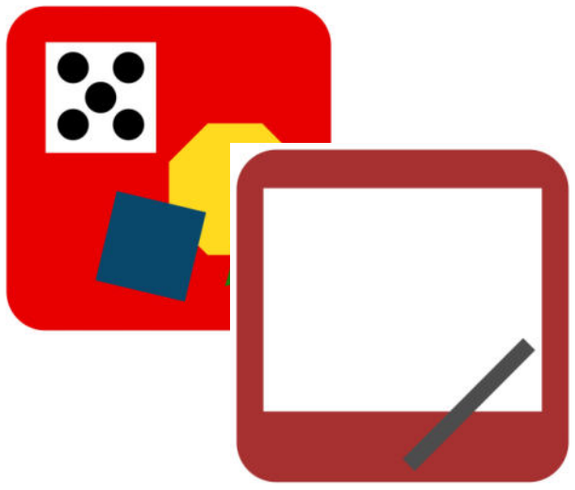
Now let’s make a number bond showing how we made 10 and write equations and the equivalent expression!



Concept Development

8 + 5

Let’s show making 10 with linking cubes.



Concept Development

8 + 5

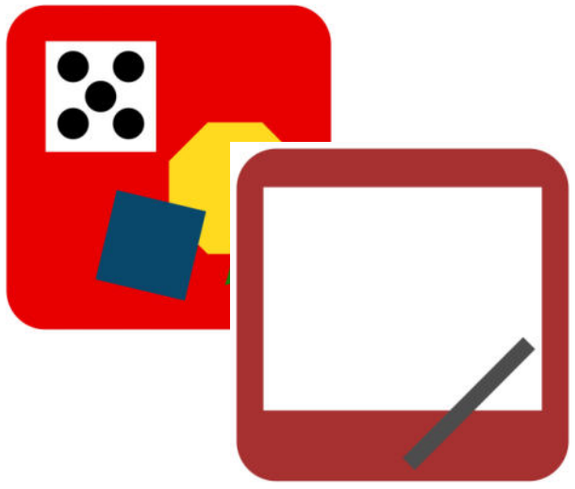
Next make a math drawing using 5-groups with open circles for one added and filled in circles for the other.

Concept Development

8 + 5

2 3

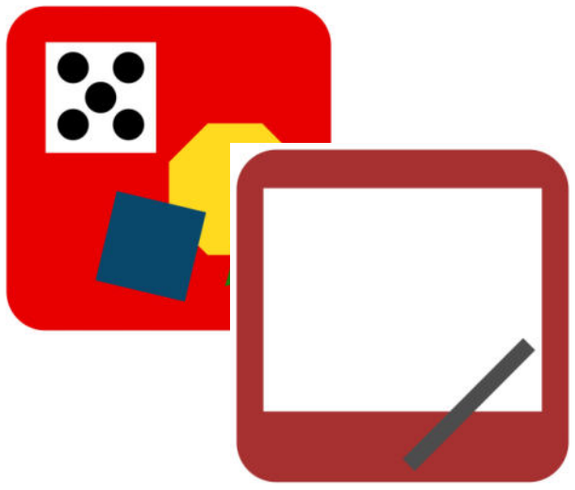
Now let’s make a number bond showing how we made 10!



Concept Development

8 + 6

Let’s show making 10 with linking cubes.



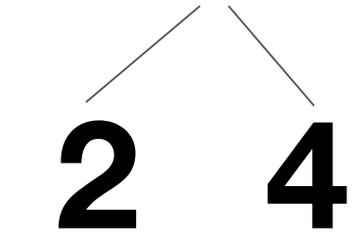
Concept Development

8 + 6

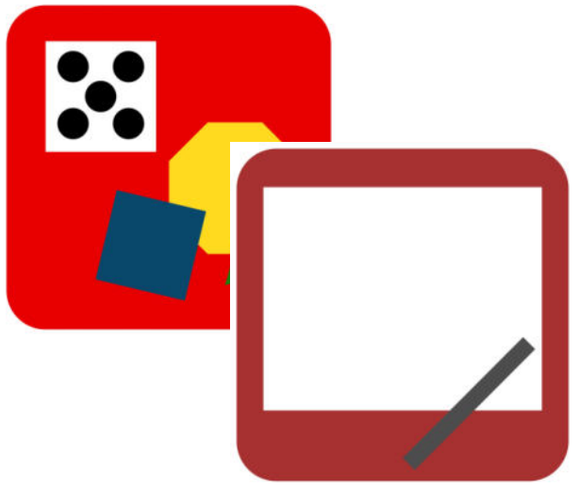
Next make a math drawing using 5-groups with open circles for one added and filled in circles for the other.

Concept Development

8 + 6



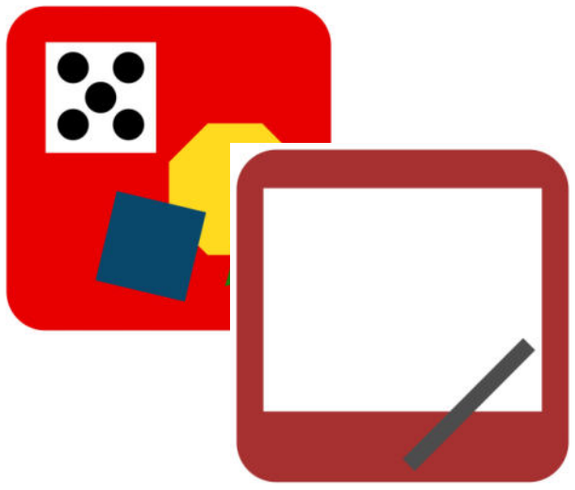
Now let’s make a number bond showing how we made 10 and write equations and the equivalent expression!



Concept Development

8 + 7

This time we won’t use cubes.



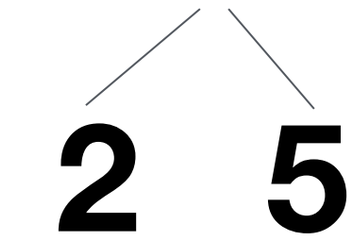
Concept Development

8 + 7

Make a math drawing using 5-groups with open circles for one added and filled in circles for the other.

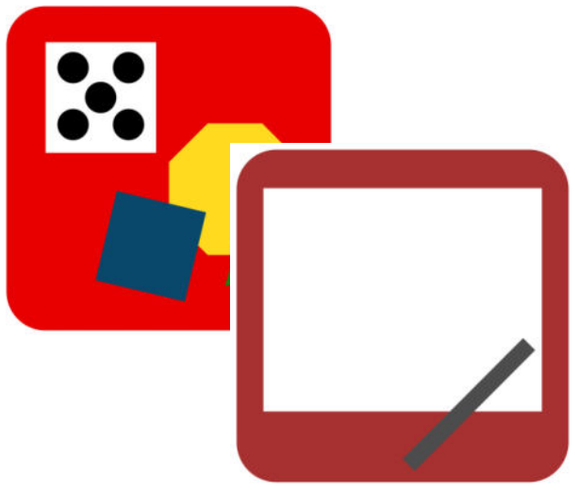
Concept Development

8 + 7



2 5

Now let’s make a number bond showing how we made 10 and write equations and the equivalent expression!



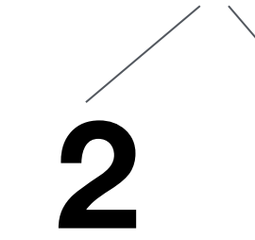
Concept Development

8 + 8

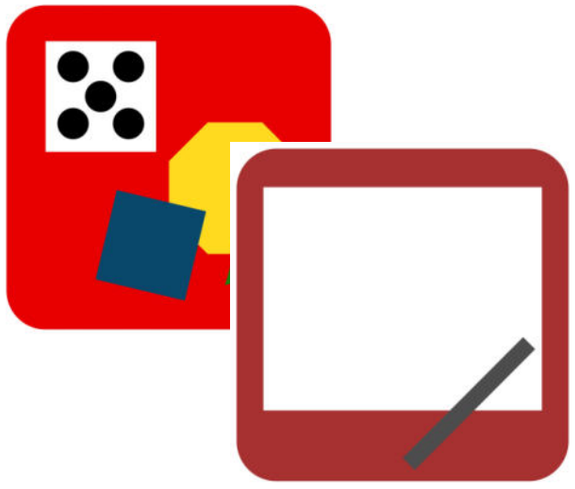
Make a math drawing using 5-groups with open circles for one added and filled in circles for the other.

Concept Development

8 + 8



Now let’s make a number bond showing how we made 10 and write equations and the equivalent expression!



Concept Development

8 + 9

Make a math drawing using 5-groups with open circles for one added and filled in circles for the other.

Concept Development

8 + 9

Now let’s make a number bond showing how we made 10 and write equations and the equivalent expression!

Problem Set

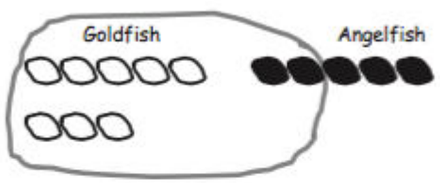
1 2 3 4 5

Problem Set

Name _____ Date _____

Circle to make ten. Write the 10+ number sentence and solve.

1. Tom only has 8 goldfish and 5 angelfish. How many fish does Tom have in all?



8 + 5 = _____

10 fish + _____ fish = _____ fish

Make ten by circling and solve.

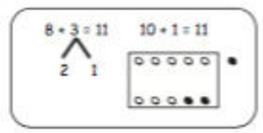
2. 8 + 3 = ____

10 + _____ = _____

3. 4 + 8 = ____

10 + _____ = _____

Solve. Make math drawings using the ten-frame to show how you made ten to solve.



4. 8 + 4 = ____ _____ + _____ = _____

5. 6 + 8 = ____ _____ + _____ = _____

6. 8 + 5 = ____ _____ + _____ = _____

Solve. Use a number bond to show how you made a ten.

7. 5 + 8 = _____

8. _____ = 8 + 7

Debrief

- Look at Problem 1 and Problem 6. How are your drawings different? Which drawing shows how you solved 8 + 5 more easily?

Debrief

- What did you notice about having 8 as an addend? What happens to the other addend when it gets broken apart?

Debrief

- How did Problem 6 help you solve Problem 7?

Debrief

- Look at your Problem Set from a few days ago. What do you notice about the answers when you have 9 as an addend compared to 8 as an addend? Why do you think this is?

Debrief

- How would you solve 8 + 9? Turn and talk to your partner. Explain your strategy.

Debrief

- Why is it important to make our math drawings in an organized way?

Debrief

- Look at your Application Problem. Draw an organized picture to show how you can solve this problem.

Exit Ticket

Name _____ Date _____

Make math drawings using the ten-frame to solve. Rewrite as a 10+ number sentence.

1. 6 + 8 = ____

10 + ____ = ____

2. ____ = 4 + 8

____ + ____ = ____