Eureka Math

First Grade Module 2 Lesson 4

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Directions for customizing presentations are available on the next slide.



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Reflecting your Teaching Style and Learning Needs of Your Students

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- \succ The view now looks like Screen B.
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Icons





Read, Draw, Write











Manipulatives Needed







Lesson 4 Objective: Make ten when one addend is 9.

Suggested Lesson Structure

- Fluency Practice
- Application Problem
- Concept Development
- Student Debrief
- **Total Time**

(12 minutes) (5 minutes) (33 minutes) (10 minutes) (60 minutes)





Materials Needed

- (T) 10 cubes of one color and 10 cubes of a different color
- A ten-frame border (not provided by Eureka)
- (S) 10 cubes of one color and 10 cubes of a different color



I can make ten when one addend is 9.

Happy Counting the Say Ten Way

I will say a number between 1 and 9. You say the 9 with two addends, with one part as 1!



Sprint: Add Three Numbers

A STORY OF UNITS

3+7+7=

15.

Let's do our Sprint!

Side A

A			Number Correct:	
Name			_ Date	
*Make	e a ten to add.			
1.	9 + 1 + 3 = 🗆	16.	6 + 4 + 5 = 🗆	
2.	9 + 1 + 5 = 🗆	17.	6 + 4 + 6 = 🗆	
3.	1 + 9 + 5 = 🗆	18.	4 + 6 + 6 = 🗆	
4.	1 + 9 + 1 = 🗆	19.	4 + 6 + 5 = 🗆	
5.	5 + 5 + 4 = 🗆	20.	4 + 5 + 6 = 🗆	
6.	5 + 5 + 6 = 🗆	21.	5 + 3 + 5 = 🗆	
7.	5 + 5 + 5 = 🗆	22.	6 + 5 + 5 = 🗆	
8.	8 + 2 + 1 = 🗆	23.	1 + 4 + 9 = 🗆	
9.	8 + 2 + 3 = 🗆	24	9 + 1 + 🗆 = 14	
10.	8 + 2 + 7 = 🗆	25.	8 + 2 + 🗆 = 11	
11.	2 + 8 + 7 = 🗆	26.	□ + 3 + 4 = 13	
12.	7 + 3 + 3 = 🗆	27.	2 + 🗆 + 6 = 16	
13.	7 + 3 + 6 = 🗆	28.	1 + 1 + 🗆 = 11	
14.	7+3+7=□	29.	19 = 5 + 🗆 + 9	

30.

 $18 = 2 + \Box + 6$

Lesson 4 Sprint



Sprint: Add Three Numbers

Lesson 4 Sprint

A STORY OF UNITS

Let's do our Sprint!

Side B

Name			Date X	
Make	a ten to add.			
1.	5 + 5 + 4 = 🗆	16.	6 + 4 + 2 = 🗆	
2.	5 + 5 + 6 = 🗆	17.	6 + 4 + 3 = 🗆	
3.	5 + 5 + 5 = 🗆	18.	4 + 6 + 3 = 🗆	
4.	9 + 1 + 1 = 🗆	19.	4 + 6 + 6 = 🗆	
5.	9 + 1 + 2 = 🗆	20.	4 + 7 + 6 = □	
6.	9 + 1 + 5 = 🗆	21.	5 + 4 + 5 = 🗆	
7.	1 + 9 + 5 = 🗆	22.	8 + 5 + 5 = 🗆	
8.	1 + 9 + 6 = 🗆	23.	1 + 7 + 9 = 🗆	
9.	8 + 2 + 4 = 🗆	24.	9 + 1 + 🗆 = 11	
10.	8 + 2 + 7 = 🗆	25.	8 + 2 + 🗆 = 12	
11.	2 + 8 + 7 = 🗆	26.	□ + 3 + 4 = 14	
12.	7 + 3 + 7 = 🗆	27.	3 + 🗆 + 7 = 20	
13.	7 + 3 + 8 = 🗆	28.	7 + 8 + 🗆 = 17	
14.	7 + 3 + 9 = 🗆	29.	16 = 3 + 🗆 + 6	
15.	3 + 7 + 9 = 🗆	30.	19 = 2 + 🗆 + 7	

Application Problem

Michael plants 9 flowers in the morning. He then plants 4 flowers in the afternoon. How many flowers did he plant by the end of the day? Make a drawing, a number bond, and a statement.







Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

What is the expression to solve this story problem?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

The expression is 9 + 3.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

How can you check that I have the correct number of cubes representing Maria's cubes?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

I heard someone say we can count, one at a time!





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Okay, but that's not very efficient. Is there a way to organize Maria's cubes so we can tell there are 9 cubes faster?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

I heard one of you say we should put them in a 5group!





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Great idea. When we arrange or draw things in a 5group, we are all going to follow these steps. Just like reading, we'll start with the top row and from the left. Let's place our 5 cubes in a row.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

We start in the next line with 6 and try to match it up to the top as closely as we can. Let's place 4 in the so we have 9.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Now can you see we have 9 cubes right away?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

What do we do to solve 9+3?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

We make 10!





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Here's another way to show ten.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

We made ten!





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

I'm going to put a frame around it. We are going to call this a ten-frame. It looks just like our 5-group drawings, but now that we are making ten, we can call it a ten-frame. Whenever we make ten, we make or draw a frame around it. That way, we can see ten right away.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Look at the new piles. What new expression do you see?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

10+2!





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

So, 9+3 is the same as...?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

10+2!





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

9+3=10+2

What is 10+2?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

9+3=10+2

10+2 is 12?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

9+3=10+2

What is 9+3?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

9+3=10+2

What is 9+3?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

How many cubes do Maria and Tony have?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Where are the 3 red cubes? Point to them.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

You are pointing to two different places. Why?





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

We broke 3 apart into 1 and 2.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Let's use a number bond to show how we broke apart 3.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Just like we framed the ten in our picture, we'll frame the numbers that make ten.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

Just like we framed the ten in our picture, we'll frame the numbers that make ten.





Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

9 and 1 make...?







Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

9 and 1 makes 10!







Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

10 and 2 make...?







Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

So, 9 plus 3 equals...?







Maria has 9 green cubes. Tony has 3 red cubes. How many cubes do Maria and Tony have?

9 plus 3 equals 12!







Let's practice more! Let's solve 9 + 2 together. We will move our cubes to make 10 and I will make a number bond to show our work!





9 + 2 = _____





9 + 2 = _____

Let's check our work!







Let's practice a few more! We will move our cubes to make 10 and make a number bond to show our work!





4 + 9 = _____





Now let's practice using math drawings. You will draw 9 with open circles. Draw the other addend with filledin circles. Then you will make a number bond to show your work!





9 + 6 = _____





3 + 9 = _____





7 + 9 = _____



Problem Set

A STORY OF UNITS

Lesson 4 Problem Set 102

Name

Date

Change the picture to make ten. Write the easier number sentence and solve.

1. Tom has 9 red pencils and 5 yellow. How many pencils does Tom have in all?









Problem Set

A STORY OF UNITE

Lesson 4 Problem Set 1-2

Solve. Make math drawings using the ten-frame to show how you made 10 to solve.











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

8.



How did solving Problem 4 help you solve Problem 5?



What new (or significant) math vocabulary did we use today to make our pictures precise?



What were some strategies we learned today to solve addition problems efficiently?



What were some strategies we learned today to solve Look at your Problem Set. What pattern did you notice when adding 9 to a number? Why is it always a ten and the number that is 1 less than the other addend?addition problems efficiently?



Look at the Application Problem. Share your drawing with a partner. How could you use the ten- frame to show your work? How does the ten-frame help you see your total amount?

Exit Ticket

Name	Date	
Solve.	9+2=11	
Make math drawings using the ten-frame to show how you made 10 to solve.		•

1. 6+9=____

A STORY OF UNITS

2. ____ = 4 + 9

Lesson 4 Exit Ticket 1.2

10 - 1 = 11



10 + ____ = ____

= =