Eureka Math

1st Grade
Module 2
Lesson 27

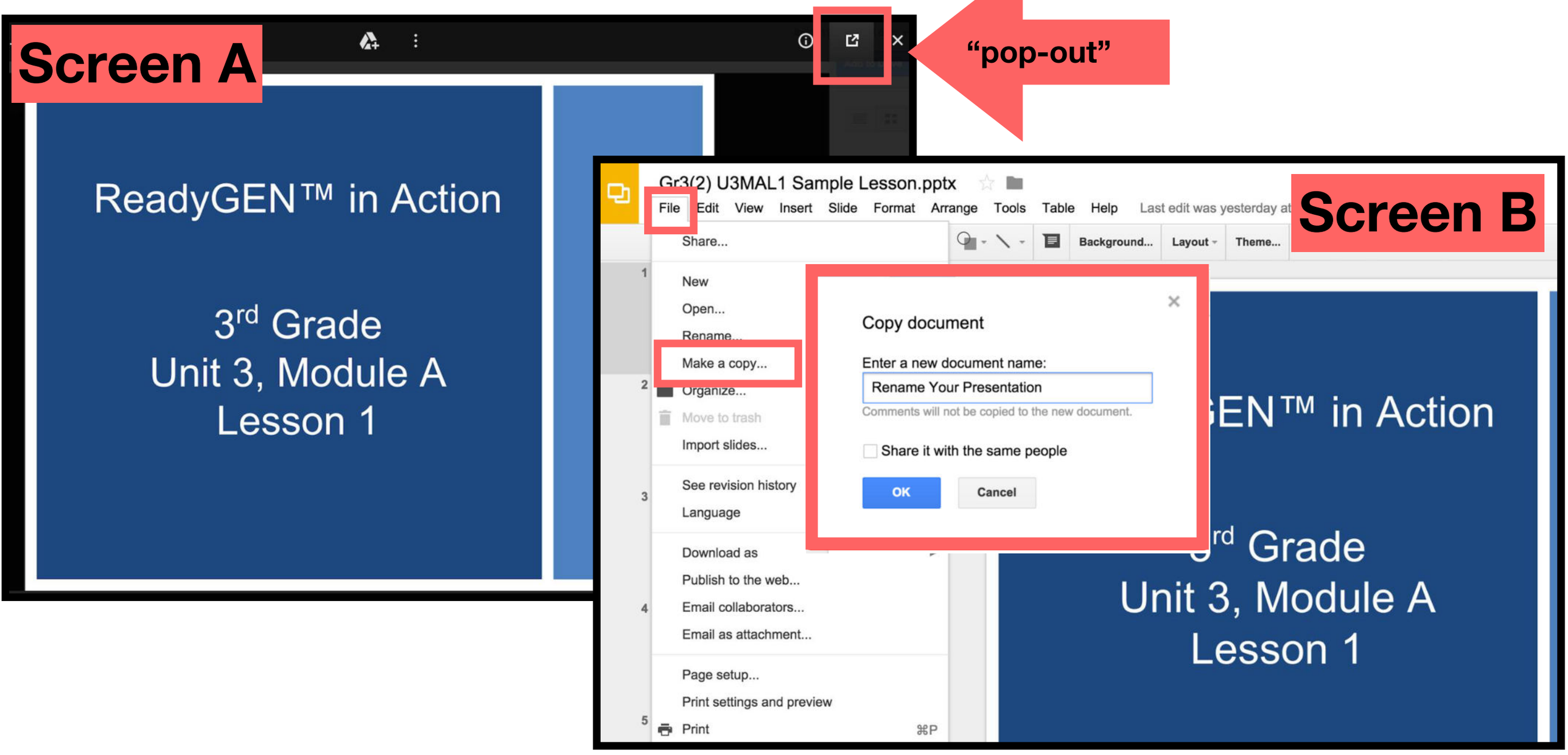
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

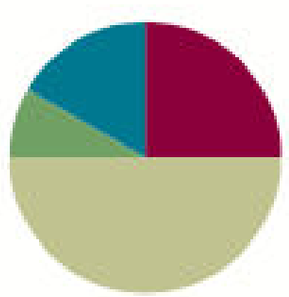
Small Group Time

Lesson 27

Objective: Solve addition and subtraction problems decomposing and composing teen numbers as 1 ten and some ones.

Suggested Lesson Structure

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



Materials Needed

Teacher

- 5-group column cards (Fluency Template), Hide Zero cards (from L18)

Student

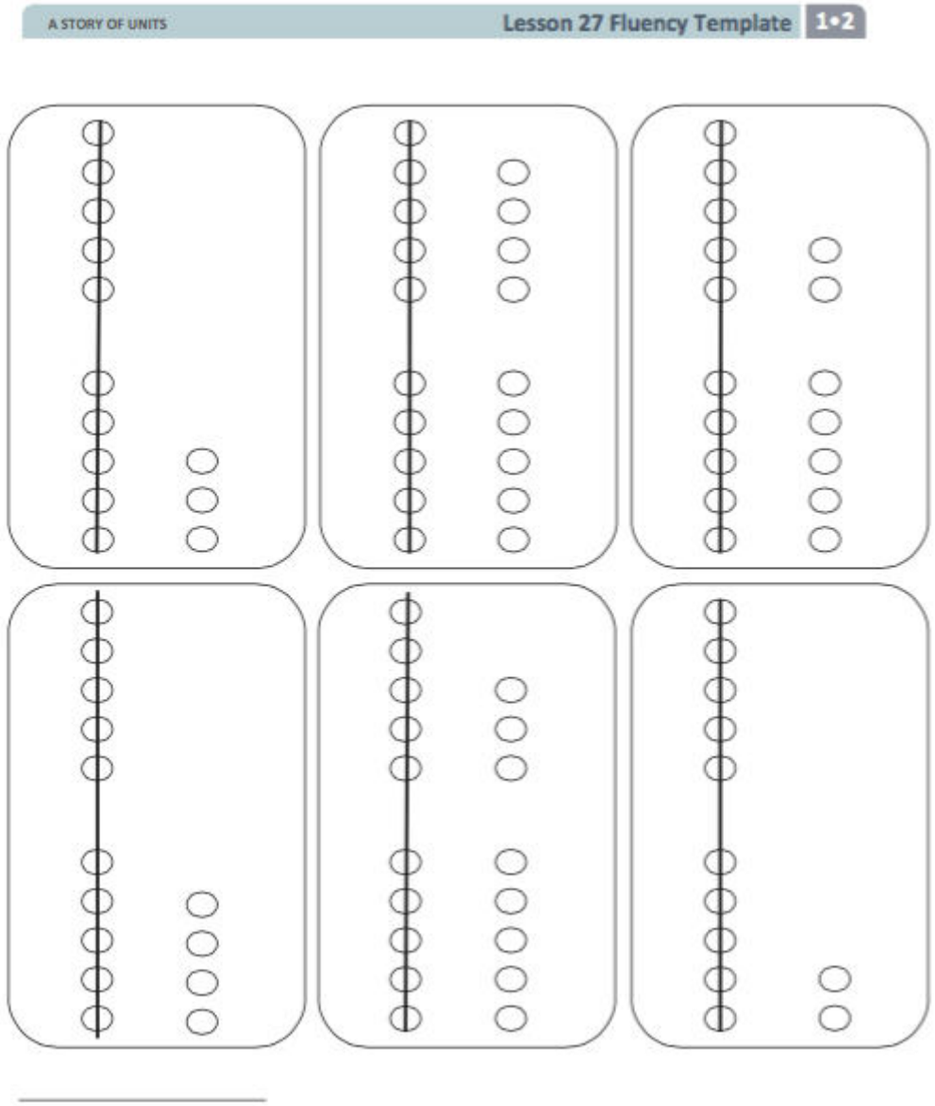
- Personal white board, Hide Zero cards

I can solve addition and subtraction problems by breaking apart and putting together teen numbers.

Say Ten: 5-Group Column

I’m going to hold up a card.

Tell me how many the Say Ten way.



Let’s do a Sprint!

A

Number Correct:

Name _____ Date _____

*Write the missing number.

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

Let’s do a Sprint!

B

Number Correct:

Name _____ Date _____

*Write the missing number.

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

Magic Counting Sticks

I’m going to show a teen number with Hide Zero cards.

Partner A will use their Magic Counting Sticks to show a bundle of 10 and partner B will show the ones.

Let’s try it!

Application Problem

RDW

Ruben was putting away his 14 toy cars.

He filled his car carrier and had 4 cars left that could not fit.

How many cars fit in his car carrier?

Concept Development

Let's sit together. You will need a partner.

Get out your Magic Counting Sticks!

With your partner, show 13.

Concept Development

Let’s sit together. You will need a partner.

Get out your Magic Counting Sticks!

With your partner, show 13.

Now show 13 with your Hide Zero cards. You may talk to your partner if you are stuck.

Concept Development

How many tens do you have in 13?

Concept Development

How many tens do you have in 13?

How many extra ones do you have in 13?

Concept Development

How many tens do you have in 13?

How many extra ones do you have in 13?

Yes, 13 is made of 1 ten and 3 ones?

Concept Development

13-3

How can you use your Hide Zero cards to solve this?

Concept Development

13-3

How can you use your Hide Zero cards to solve this?

If I take away 3, how many are left?

Concept Development

13-3

How can you use your Hide Zero cards to solve this?

If I take away 3, how many are left?

We can also call that…

Concept Development

13-3

How can you use your Hide Zero cards to solve this?

If I take away 3, how many are left?

Yes, 1 ten!

Concept Development

15 - 5

Concept Development

15 - 5

16 - 4

Concept Development

15 - 5

16 - 4

18 - 7

Concept Development

Work with your partner to show 14 with your magic counting sticks and your Hide Zero cards.

Concept Development

Work with your partner to show 14 with your magic counting sticks and your Hide Zero cards.

14 + 2

How can you do this?

Concept Development

Work with your partner to show 14 with your magic counting sticks and your Hide Zero cards.

14 + 2

How can you do this?

Will you add to the ten or the ones?

Concept Development

So, we don’t have to add to the ten in order to figure this out, we can just add to the ones?

Concept Development

So, we don’t have to add to the ten in order to figure this out, we can just add to the ones?

How many tens and ones make up 16?

Concept Development

14 + 2

Model this with your Hide Zero cards.

Be ready to talk about the tens and ones in your answer.

Concept Development

15 + 3

Model this with your Hide Zero cards.

Be ready to talk about the tens and ones in your answer.

Concept Development

17 + 2

Model this with your Hide Zero cards.

Be ready to talk about the tens and ones in your answer.

Concept Development

13 + 7

Model this with your Hide Zero cards.

Be ready to talk about the tens and ones in your answer.

Concept Development

8 + 5

Work with your partner.

Partner A, use your personal board to show how to make 1 ten.

Partner B, when Partner A is done, use your Hide Zero cards to show the solution.

Concept Development

8 + 5

Point to the card that tells how many tens are in your answer, and say the number of tens.

Point to the card on your Hide Zero cards that tells how many ones are in your answer, and say how many ones.

Concept Development

13 - 4

I wonder how we can use our Hide Zero cards and personal white boards to help us solve this?

What do you think?

Concept Development

13 - 4

Let’s try taking from ten, like I heard someone say.

Let’s make a total of 13 with our cards.

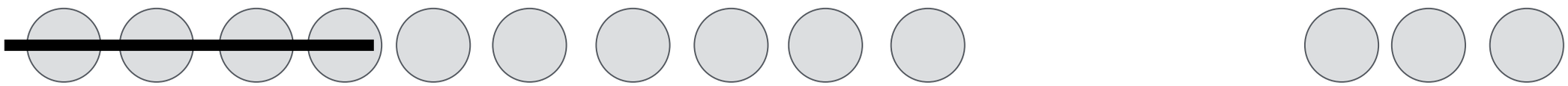
How can we take the ten from here?

Concept Development

13 - 4

Concept Development

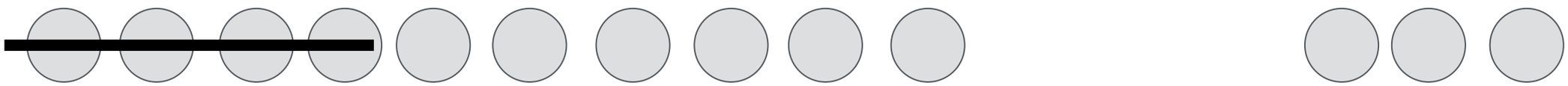
13 - 4



If we take 4 away from the 10, how many will be left?

Concept Development

13 - 4

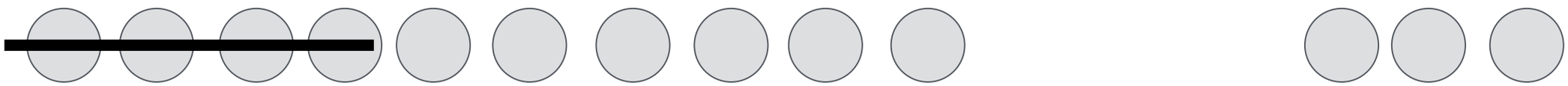


10 - 4 = 6

How many do we have altogether?

Concept Development

13 - 4

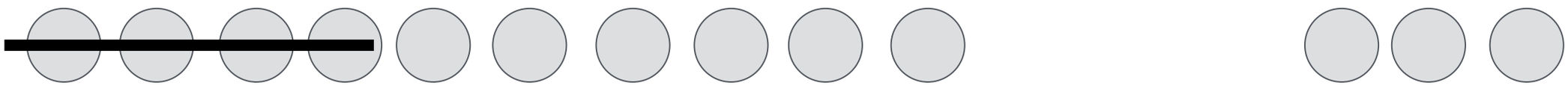


Yes, 9!

10 - 4 = 6 and 6 + 3 = 9

Concept Development

13 - 4

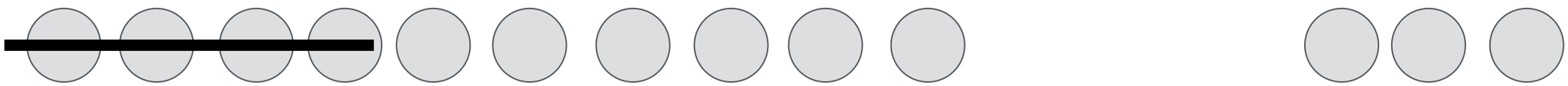


Yes, 9!

9 tens or 9 ones?

Concept Development

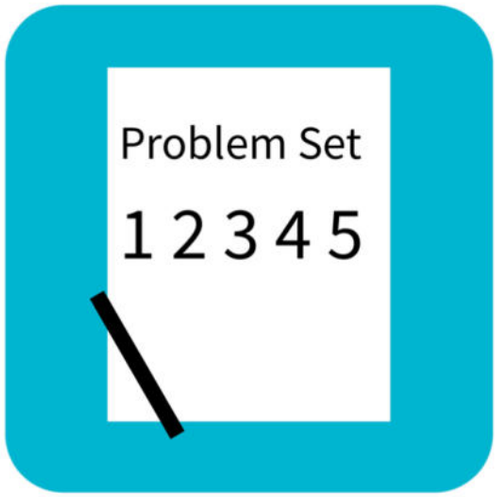
13 - 4



Yes, 9!

9 tens or 9 ones?

How many tens are left?



Problem Set

Name _____ Date _____

Solve the problems. Write your answers to show how many **tens** and **ones**. If there is only 1 ten, cross off the "s."

Add.

1. 12 + 6 = ☐☐

____ tens and ____ ones

2. 5 + 13 = ☐☐

____ tens and ____ ones

3. 8 + 7 = ☐☐

____ tens and ____ ones

4. ☐☐ = 8 + 12

____ tens and ____ ones

Subtract.

5. 17 - 4 = ☐☐

____ tens and ____ ones

6. 17 - 5 = ☐☐

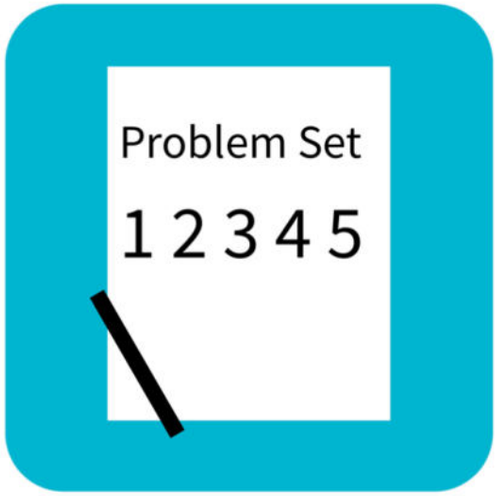
____ tens and ____ ones

7. 14 - 6 = ☐☐

____ tens and ____ ones

8. ☐☐ = 16 - 7

____ tens and ____ ones



Problem Set

Read the word problem. Draw and label. Write a number sentence and statement that matches the story. Rewrite your answer to show its tens and ones. If there is only 1 ten or 1 one, cross off the "s."

9. Frankie and Maya made 4 big sandcastles at the beach. If they made 10 small sandcastles, how many total sandcastles did they make?

____ tens and ____ ones

10. Ronnie has 8 stickers that are stars. Her friend Sina gives her 7 more. How many stickers does Ronnie have now?

____ tens and ____ ones

11. We tied 14 balloons to the tables for a party, but 3 floated away! How many balloons were still tied to the tables?

____ tens and ____ ones

12. I ate 5 of the 16 strawberries that I picked. How many did I have left over?

____ tens and ____ ones

Debrief

Check your work by comparing answers with your partner.

Debrief

How did you use what we learned during the lesson to help you solve the word problems in the Problem Set?

How was Problem 3 helpful in solving Problem 4?

Look at Problem 4. How many tens are there altogether?

Explain how you solved this.

Debrief

What do you notice about the problems that have 0 tens in the answer?

What is similar about them?

What do you notice about the problems that have 1 ten in the answer?

How are they similar and different?

Debrief

Look at your work from the Application Problem.

What is another way to say the answer using tens and ones?

If Ruben and his friend played with a total of 6 cars, how many tens and ones would be left in the carrier?

Debrief

Turn to your partner and share what you learned in today's lesson.

What did you get really good at today?

Exit Ticket

Name _____ Date _____

Solve the problems. Write the answers to show how many tens and ones. If there is only one ten, cross off the "s."

1. 13 + 6 = ☐☐

____ tens and ____ ones

2. 7 + 6 = ☐☐

____ tens and ____ ones

Read the word problem. Draw and label. Write a number sentence and statement that matches the story. Rewrite your answer to show its tens and ones.

3. Kendrick went bowling. He knocked down 16 pins in the first two frames. If he knocked down 9 in the first frame, how many pins did he knock down in the second frame?

____ tens and ____ ones