

Eureka Math

1st Grade Module 6 Lesson 25

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- Choose MAKE A COPY and rename your presentation.
- Google Slides will open your renamed presentation.
- It is now editable & housed in MY DRIVE.



Icons



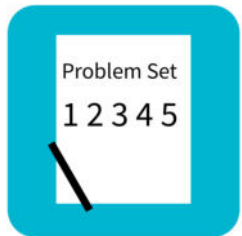
Read, Draw, Write



Learning Target



Personal White Board



Problem Set



Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



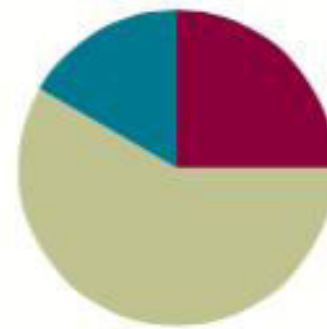
Small Group Time

Lesson 25

Objective: Solve *compare with bigger or smaller unknown* problem types.

Suggested Lesson Structure

■ Fluency Practice	(15 minutes)
■ Concept Development	(35 minutes)
■ Student Debrief	(10 minutes)
Total Time	(60 minutes)



Materials Needed

Teacher

- Chart paper

Student

- Core Fluency Sprint, Personal white board



I can solve *compare with bigger unknown* word problems.

I can solve *compare with smaller unknown* word problems.



Core Fluency

A STORY OF UNITS

Lesson 3 Core Addition Sprint 1

1•6

A

Number Correct:



Name _____

Date _____

*Write the unknown number. Pay attention to the symbols.

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



Standards Check: Add and Subtract Tens

Get your white board ready!

What's ten more than 25?

Yes, 35.

Write the number sentence on your whiteboard.

Yes, $25 + 10 = 35$.



Standards Check: Add and Subtract Tens

What's ten less than 25?

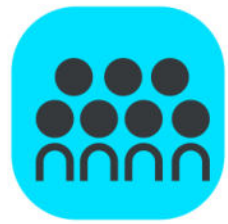
Yes, 15.

Write the number sentence.

Yes, $25 - 10 = 15$.

Now, can you prove it? Draw quick tens and ones.

Let's try some other types.



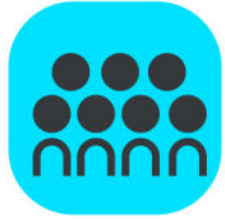
Concept Development

We're doing to do several different problems today.

After each problem you'll be sharing your solutions and explaining your strategies.

I might ask you why did you choose this method.

Ready?



Concept Development

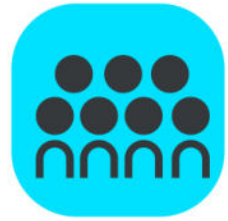
Ben played 9 songs on his banjo.

Lee played 3 more songs than Ben.

How many songs did Lee play?

On your personal white board, draw and then write a number sentence to match the story.

Write a statement answering the question.

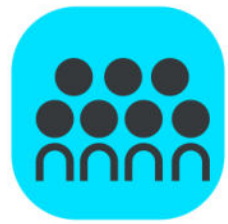


Concept Development

What number sentence did we use to match the story?

What does the 9 describe in the story and in our model?

What does the 3 describe in the story and in our model?



Concept Development

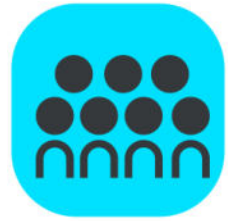
Nikil hopped on one leg 15 times in a row.

Kim hopped 4 fewer times.

How many times did Kim hop on one leg?

On your personal white board, draw and then write a number sentence to match the story.

Write a statement answering the question.

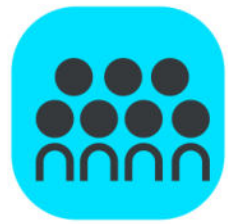


Concept Development

What number sentence did we use to match the story?

What does the 15 describe in the story and in our model?

What does the 4 describe in the story and in our model?



Concept Development

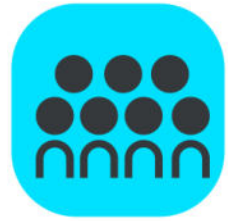
Shanika went down the slide 15 times.

She went down 3 more times than Fran.

How many times did Fran go down the slide?

Let's draw a double tape diagram since we need to find out how many times Fran went down the slide

What do we need to ask ourselves first?



Concept Development

Read the story again carefully.

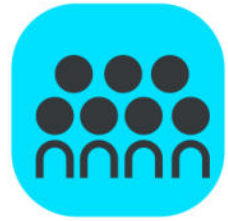
Who has more?

Who went down the slide more times?

Yes, Shanika!

Let's draw a bit more on her tape. How many more?

Yes, 3 more!



Concept Development

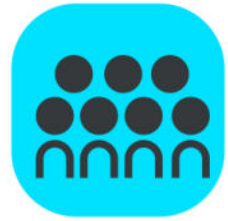
Let's go back to the story and look at the first sentence again.

Shanika went down the slide 15 times.

Where should we put the 15? Turn and talk to your partner.

Where do we put it?

Who agrees? Who disagrees?



Concept Development

Let's look at the last sentence again.

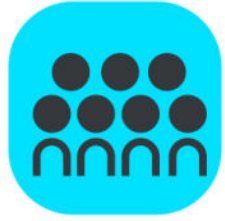
How many times did Fran go down the slide?

Fran's tape gets the question mark since that's the unknown.

Turn and talk to your partner about how you can solve Fran's amount.

So, how many times did Fran go down the slide?

Yes, 12 times!



Concept Development

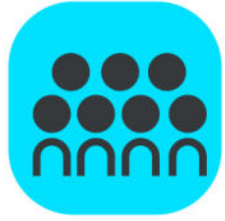
Take a moment to match the story to the model with your partner.

What number sentence can we use to match this problem?

Yes, $15 - 3 = 12$.

Tell your partner what each number in the sentence is telling about in the story, and then tell a statement that answers the question.

Yes, Shanika went down the slide 12 times.



Concept Development

Let's try another one!

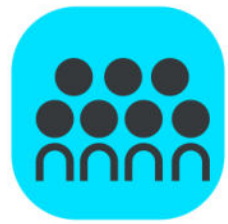
Martha picked up 15 rocks on the beach.

She picked up 8 more than Peter.

How many rocks did Peter pick up at the beach?

Let's draw a double tape diagram since we need to find out how many rocks Peter picked up.

What do we need to ask ourselves first?



Concept Development

Let's try a different kind of problem.

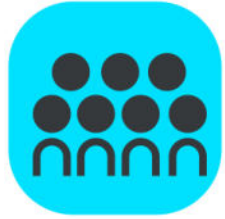
Anton caught 10 fireflies.

He caught 7 fewer fireflies than Julio.

How many fireflies did Julio catch?

Set up your tape diagram so it shows who the characters are.

Make your tapes so they start out having the same amount.



Concept Development

I love how you made each boy have equal-size tapes.

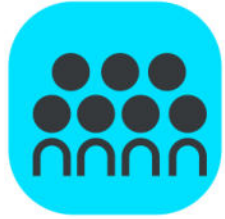
But is this true?

No!

What do we have to ask...?

Who has more!

Okay! Read carefully and find out who has more.
Then, add the more tape in your drawing.



Concept Development

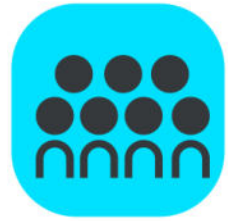
Now that we have our tape diagram all set up, let's read the first sentence.

Anton caught 10 fireflies.

Decide where this information will go in your tape diagram.

Read the next sentence.

He caught 7 fewer fireflies than Julio.



Concept Development

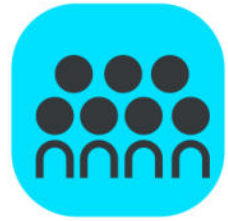
Read the next sentence.

He caught 7 fewer fireflies than Julio.

Check your tape diagram.

Did we include this information correctly?

Explain to your partner how you showed this in your tape diagram.



Concept Development

How many fireflies did Julio catch?

Where does the question mark for the unknown go?

Go ahead and solve. Turn and talk to your partner about how you got your answer.

How did you find your answer?

We have to read very carefully to find out who had more in every story, don't we?



Concept Development

Let's try another one!

Darnel has 13 baseball cards.

He has 4 fewer than Willie.

How many baseball cards does Willie have?

Problem Set

1 2 3 4 5

Problem Set



A STORY OF UNITS

Lesson 25 Problem Set

1•6

Name _____

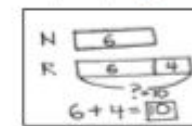
Date _____

Read the word problem.

Draw a tape diagram or double tape diagram and label.

Write a number sentence and a statement that matches the story.

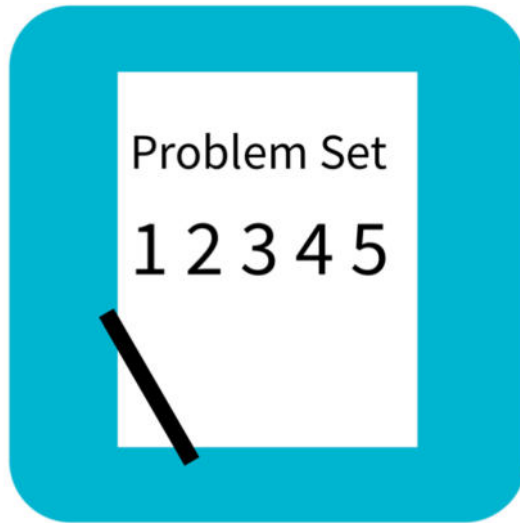
Sample Tape Diagram



1. Kiana wrote 3 poems. She wrote 7 fewer than her sister Emi. How many poems did Emi write?

-
2. Maria used 14 beads to make a bracelet. Maria used 4 more beads than Kim. How many beads did Kim use to make her bracelet?

-
3. Peter drew 19 rocket ships. Rose drew 5 fewer rocket ships than Peter. How many rocket ships did Rose draw?



Problem Set



A STORY OF UNITS

Lesson 25 Problem Set

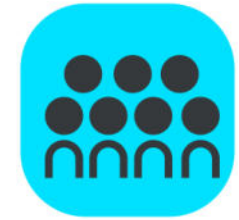
1•6

4. During the summer, Ben watched 9 movies. Lee watched 4 more movies than Ben. How many movies did Lee watch?

-
5. Anton's family packed 10 suitcases for vacation. Anton's family packed 3 more suitcases than Fatima's family. How many suitcases did Fatima's family pack?

-
6. Willie painted 9 fewer pictures than Julio. Julio painted 16 pictures. How many pictures did Willie paint?

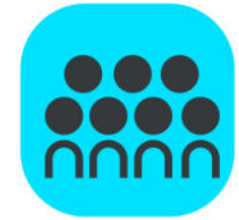
Debrief



Check your work by comparing answers with your partner.



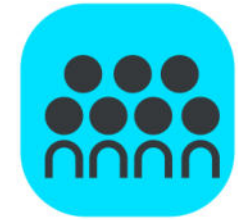
Debrief



How was setting up your tape diagram for Problem 4 different from Problem 5?

Why is it easier to use a double tape diagram when we are comparing amounts?

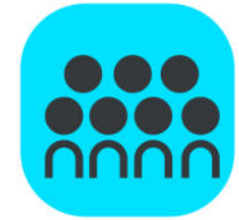
Debrief



Why is it important to read every part of the story problem carefully?

Give an example using your Problem Set or from today's lesson.

Debrief



Sometimes going slower when we do math means we are getting smarter.

Find an example from your work today when you slowed down to get a problem correct.

Debrief



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

What did you get really good at today?





I can solve *compare with bigger unknown* word problems.

I can solve *compare with smaller unknown* word problems.

Exit Ticket



A STORY OF UNITS

Lesson 25 Exit Ticket 1•6

Name _____

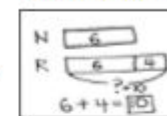
Date _____

Read the word problem.

Draw a tape diagram or double tape diagram and label.

Write a number sentence and a statement that matches the story.

Sample Tape Diagram



Willie splashed in 7 more puddles after the rainstorm than Julio. Willie splashed in 11 puddles. How many puddles did Julio splash in after the rainstorm?

Homework



A STORY OF UNITS

Lesson 25 Homework 1•6

Name _____

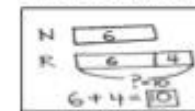
Date _____

Read the word problem.

Draw a tape diagram or double tape diagram and label.

Write a number sentence and a statement that matches the story.

Sample Tape Diagram



1. Julio listened to 7 songs on the radio. Lee listened to 3 more songs than Julio. How many songs did Lee listen to?

-
2. Shanika caught 14 ladybugs. She caught 4 more ladybugs than Willie. How many ladybugs did Willie catch?

-
3. Rose packed 3 more boxes than her sister to move to their new house. Her sister packed 11 boxes. How many boxes did Rose pack?

Homework



A STORY OF UNITS

Lesson 25 Homework 1•6

4. Tamra decorated 13 cookies. Tamra decorated 2 fewer cookies than Emi.
How many cookies did Emi decorate?

-
5. Rose's brother hit 12 tennis balls. Rose hit 6 fewer tennis balls than her brother.
How many tennis balls did Rose hit?

-
6. With his camera, Darnel took 5 more pictures than Kiana. He took 13 pictures.
How many pictures did Kiana take?