Eureka Math

2nd Grade Module 7 Lesson 20

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Directions for customizing presentations are available on the next slide.



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











Manipulatives Needed









• Whiteboard

Lesson 20

Objective: Solve two-digit addition and subtraction word problems involving length by using tape diagrams and writing equations to represent the problem.

Suggested Lesson Structure

Fluency Practice	(10 minutes)
Concept Development	(40 minutes)
Student Debrief	(10 minutes)
Total Time	(60 minutes)





 I can make a measurement tool and use it to measure things.



Compensation

42 + 19 =

How much more does 19 need to make the next ten?

Where can we get 1 more from?

So, if we take 1 from 42, what is our new problem?

41 + 20

41 + 20 = 61

(continue with: 29 + 23, 38 + 19, 32 + 19, 24 + 18, and 34 + 18)



SPRINT

Subtraction Patterns

A STORY OF UNITS

Lesson 20 Sprint 2.7

Α

Number Correct:

Subtraction Patterns

1.	8 - 1 =	
2.	18 - 1 =	
3.	8 - 2 =	
4.	18 - 2 =	
5.	8 - 5 =	
6.	18 - 5 =	
7.	28 - 5 =	
8.	58 - 5 =	
9.	58 - 7 =	
10.	10 - 2 =	

	5	
23.	41 - 20 =	
24.	46 - 20 =	
25.	7 - 5 =	
26.	70 - 50 =	
27.	71 - 50 =	
28.	78 - 50 =	
29.	80 - 40 =	
30.	84 - 40 =	
31.	90 - 60 =	
32.	97 - 60 =	

Part 1: Solve a difference unknown type problem.

Mr. Ramos has knitted 19 inches of a scarf he wants to be 1 yard long. How many more inches of scarf does he need to knit?

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Part 2: Solve a two-step problem with a compare with smaller unknown type problem as one step.

Frankie has a 64-inch piece of rope and another piece that is 18 inches shorter than the first. What is the total length of both ropes?

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Part 3: Solve a put together problem involving geometry.

The total length of all three sides of a triangle is 96 feet. The triangle has two sides that are the same length. One of the equal sides measures 40 feet. What is the length of the side that is not equal?

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The total length of all three sides of a triangle is 96 feet. The triangle has two sides that are the same length. One of the equal sides measures 40 feet. What is the length of the side that is not equal?



Problem Set

A 67	500	OF	1141110
A 31	UKT	UP	UNIT

Lesson 20 Problem Set 2.7

Name

Problem Set 12345

Date

Solve using tape diagrams. Use a symbol for the unknown.

 Mr. Ramos has knitted 19 inches of a scarf he wants to be 1 yard long. How many more inches of scarf does he need to knit?

2. In the 100-yard race, Jackie has run 76 yards. How many more yards does she have to run?



Debrief

- Look at the first page of your Problem Set. How many number sentences did it take to solve Problem 1? How many number sentences did it take to solve Problems 2 and 3? Why is it important to reread the problem?
- Explain your solution path for Problem 4 to your partner. Did your partner do the same thing as you? Can you understand how your partner got his answer?
- Look at the triangle problem. Raise your hand if you used only addition. Raise your hand if you used addition and subtraction. (Discuss both solution paths. First, 40 + 40 = 80.
 Then, 80 + ____ = 96 or 96 - 80 = ___.)
- Sometimes there is more than one part in our math problems. Tell your partner a math story with more than one part. Use your Problem Set to help you get started.

Exit Ticket

A STORY OF UNITS

Lesson 20 Exit Ticket 2.7

Name

Date

Solve using a tape diagram. Use a symbol for the unknown.

Jasmine has a jump rope that is 84 inches long. Marie's is 13 inches shorter than Jasmine's. What is the length of Marie's jump rope?