

Eureka Math

4th Grade Module 1 Lesson 19

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.



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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.
- 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.

The image displays two screenshots of a Google Slides presentation. The left screenshot, labeled "Screen A", shows a slide with the text "ReadyGEN™ in Action" and "3rd Grade Unit 3, Module A Lesson 1". The right screenshot, labeled "Screen B", shows the same slide but with the Google Slides interface overlaid. A red box highlights the "pop-out" button in the top right corner of the browser window. A red arrow points to this button with the text "pop-out". Another red box highlights the "File" menu in the top left of the Google Slides interface. A third red box highlights the "Make a copy..." option in the File menu. A fourth red box highlights a "Copy document" dialog box that is open, showing the "Enter a new document name:" field with the text "Rename Your Presentation" and "OK" and "Cancel" buttons.

Screen A

ReadyGEN™ in Action

3rd Grade
Unit 3, Module A
Lesson 1

Screen B

Gr3(2) U3MAL1 Sample Lesson.pptx

File Edit View Insert Slide Format Arrange Tools Table Help Last edit was yesterday at

Share...

New

Open...

Rename...

Make a copy...

Organize...

Move to trash

Import slides...

See revision history

Language

Download as

Publish to the web...

Email collaborators...

Email as attachment...

Page setup...

Print settings and preview

Print

Copy document

Enter a new document name:

Rename Your Presentation

Comments will not be copied to the new document.

Share it with the same people

OK Cancel

Icons



Read, Draw, Write



Learning Target



Personal White Board



Problem Set



Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



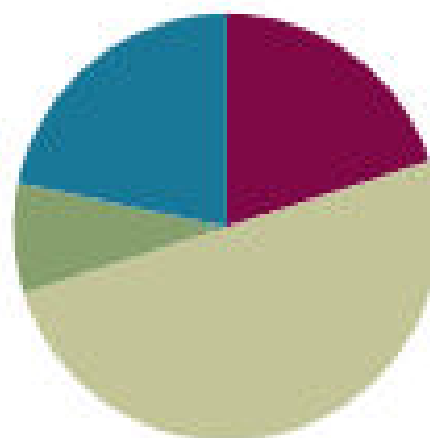
Small Group Time

Lesson 19

Objective: Create and solve multi-step word problems from given tape diagrams and equations.

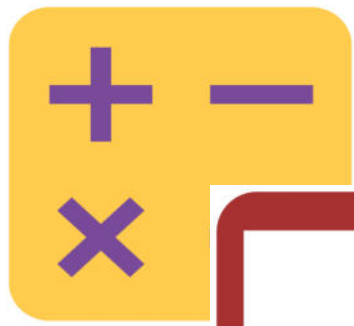
Suggested Lesson Structure

■ Fluency Practice	(12 minutes)
■ Application Problem	(5 minutes)
■ Concept Development	(30 minutes)
■ Student Debrief	(13 minutes)
Total Time	(60 minutes)





I can create and solve multi-step word problems from given tape diagrams and equations.



Rename Units to Subtract

1 ten – 6 ones

Am I ready to subtract?

Rename 1 ten as 10 ones. Say the entire number sentence.



Add Up to the Next Unit

8

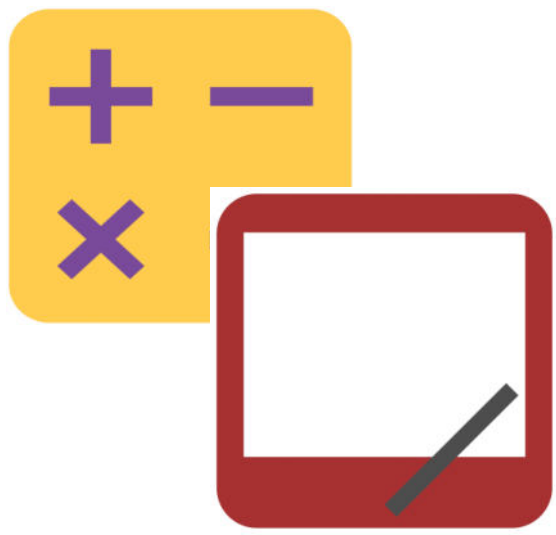
How many more to make 10?

80

How many more to make 100?

84

How many more to make 100?



Convert Units

$$1 \text{ m} = \underline{\quad} \text{ cm}$$

$$2 \text{ m} = \underline{\quad} \text{ cm}$$

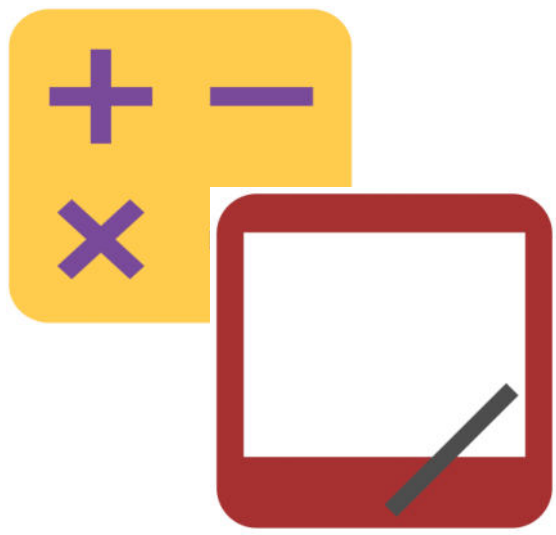
$$3 \text{ m} = \underline{\quad} \text{ cm}$$

$$8 \text{ m} = \underline{\quad} \text{ cm}$$

$$8 \text{ m } 50 \text{ cm} = \underline{\quad} \text{ cm}$$

$$7 \text{ m } 50 \text{ cm} = \underline{\quad} \text{ cm}$$

$$4 \text{ m } 25 \text{ cm} = \underline{\quad} \text{ cm}$$



Convert Units

$$100 \text{ cm} = \underline{\quad} \text{ m}$$

$$150 \text{ cm} = \underline{\quad} \text{ m } \underline{\quad} \text{ cm}$$

$$250 \text{ cm} = \underline{\quad} \text{ m } \underline{\quad} \text{ cm}$$

$$350 \text{ cm} = \underline{\quad} \text{ m } \underline{\quad} \text{ cm}$$

$$950 \text{ cm} = \underline{\quad} \text{ m } \underline{\quad} \text{ cm}$$

$$725 \text{ cm} = \underline{\quad} \text{ m } \underline{\quad} \text{ cm}$$

Application Problem

For Jordan to get to his grandparents' house, he has to travel through Albany and Plattsburgh. From Jordan's house to Albany is 189 miles. From Albany to Plattsburgh is 161 miles. If the total distance of the trip is 508 miles, how far from Plattsburgh do Jordan's grandparents live?



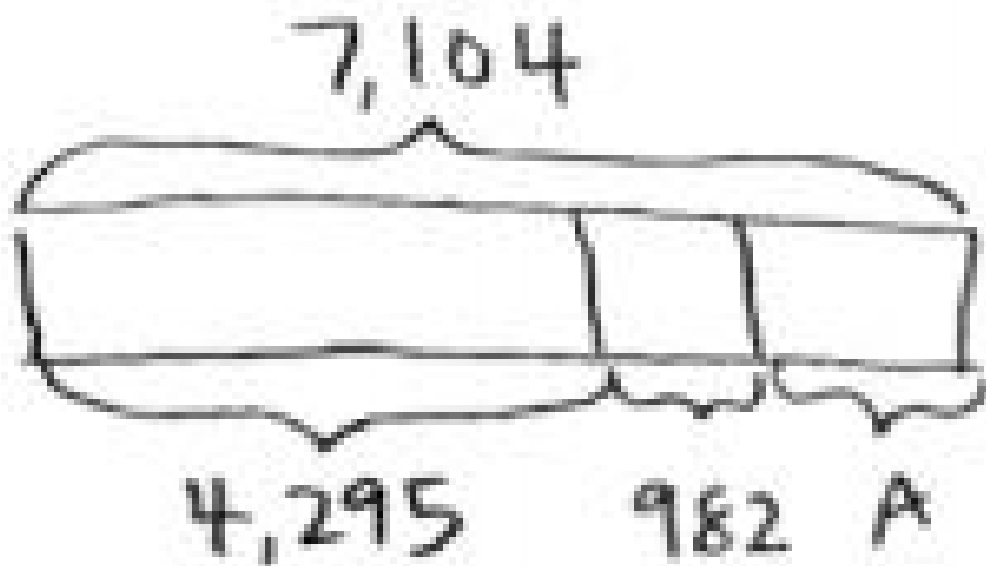


RDW

Writing Word Problems

Write a word problem that would fit with the tape diagram (in problem set)

Suggested context: people at a football game

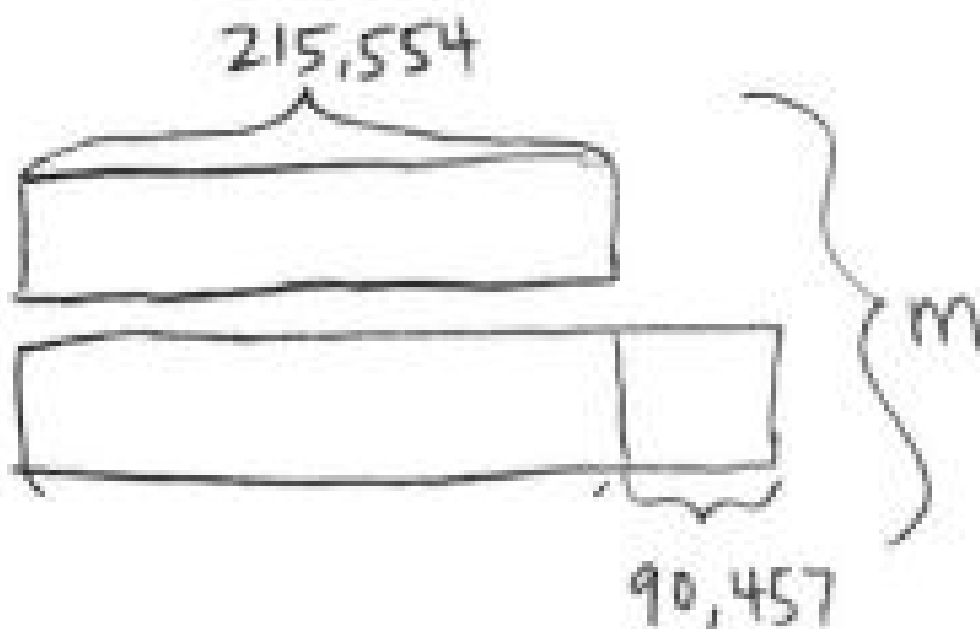




Writing Word Problems

Write a word problem that would fit with the tape diagram

Suggested context: cost of two houses.



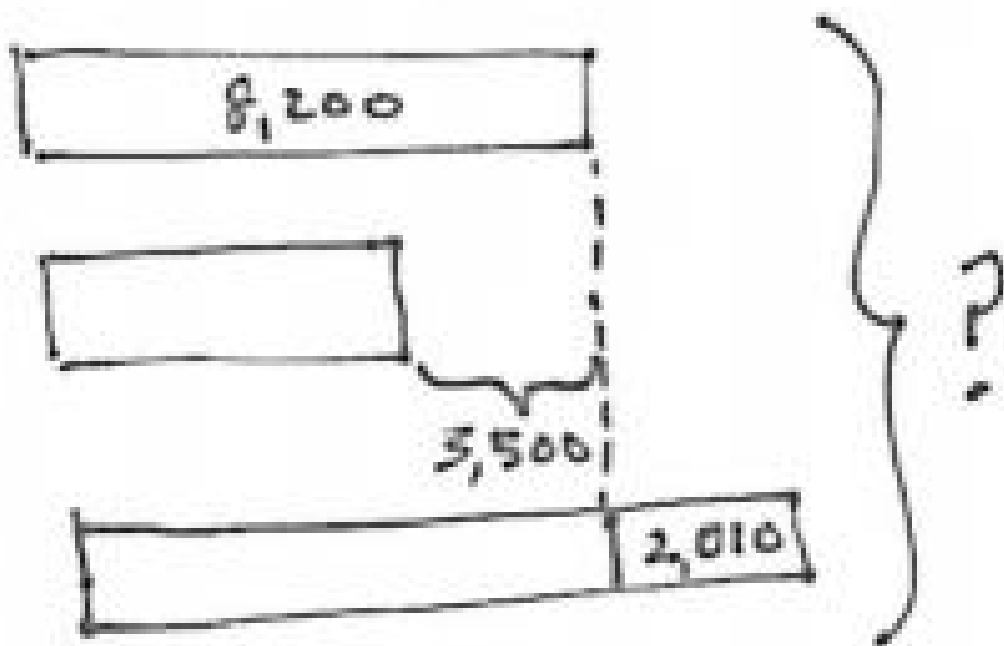


RDW

Writing Word Problems

Write a word problem that would fit with the tape diagram

Suggested context: weight in kilograms of three different whales.





RDW

Writing Word Problems

$$5,233 + 3,094 + k = 12,946$$

Draw a tape diagram that models this equation.

Compare with your partner.

Then, create a word problem that uses the numbers from the equation. Remember to first create a context.

Then, write a statement about the total and a question about the unknown.

Finally, tell the rest of the information.

Debrief

- How does a tape diagram help when solving a problem?
- What is the hardest part about creating a context for a word problem?
- To write a word problem, what must you know?
- There are many different contexts for Problem 2, but everyone found the same answer. How is that possible?
- How can you use this new understanding of addition, subtraction, and solving word problems in the future?

Exit Ticket

Name _____

Date _____

Using the diagram below, create your own word problem. Solve for the value of the variable.

