

NTI DAY 18



Harrison County Schools

Name: _____

Grade: _____

Teacher: _____

Complete within 2 weeks of returning to school.

NTI Day 18

Student Checklist: 3rd grade

Complete NTI Day 18 Packet (Reading,
Math, and Special)

**** Exact Path is considered extra practice
and **cannot** count as your work for Day 18.**

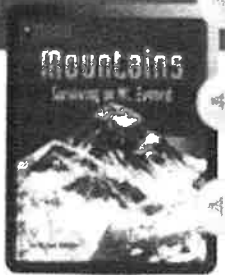
NTI 18
Reading Directions

1. Watch the Text and Graphic Features video on the BLOG,

OR

read page 364 provided from the Journey's pages.

2. Complete the Text and Graphic Features page.



Dig Deeper

How to Analyze the Text

Use these pages to learn about Text and Graphic Features and Main Ideas and Details. Then read *Mountains: Surviving on Mt. Everest* again to apply what you learned.

Text and Graphic Features

Informational text like *Mountains: Surviving on Mt. Everest* may use different kinds of text and graphic features to present information.

Text features include headings that tell about the content of sections. Captions identify what is in photographs. Boxed facts can add to information found in the main text.

Graphic features may include a map to help locate a place. A labeled diagram will show the parts of something. Photos and illustrations show what things look like.

Look back at pages 348 through 351. How can you find out more about mountains?

Text or Graphic Feature	Page	Purpose

COMMON CORE RI.3.1 Determine the main idea and supporting details and explain how they support the main idea; RI.3.5 Use text features and search tools to locate information; RI.3.7 Use information gathered from illustrations and words to demonstrate understanding.



Use the story to complete this Column Chart.

Projectable 25.4

Mountains: Surviving on Mt. Everest Analyze the Text Text and Graphic Features

Column Chart: Text and Graphic Features

Text or Graphic Feature	Place Page #	Purpose

TEXT FEATURES

Flip through a nonfiction book with the students near you.

What **TEXT FEATURES**

do you see?

How do they help you?

Examples

SUBHEADINGS

words under the heading that tell more about the topic of that section of text

Law Enforcement Jobs

Uniformed Officers Officers in uniform may work for the local police department or sheriff's office, the state highway patrol, or the federal border patrol. Among other things, they make sure people follow the law by a patrolling their assigned area and responding to service calls.

Investigators These law enforcement officers collect evidence and information as part of a criminal case. They may work as detectives for a local police department, or they may work as agents for a state or federal agency.

Support Positions Uniformed officers and investigators depend on the support of people such as investigative assistants, evidence technicians, and firearms examiners.

HYPERLINKS

a word that when clicked brings you to a website with more information

Interested in a career as a first responder? Click below to explore information from Learn How to Become.Org:

Firefighter

Police Officer

EMT/Paramedic

BOLD PRINT

words that are written in a darker print to show that they are important

What should you do if your house is on fire?

Don't hide, go outside!

Find the nearest door

that doesn't have smoke coming under it. Open it,

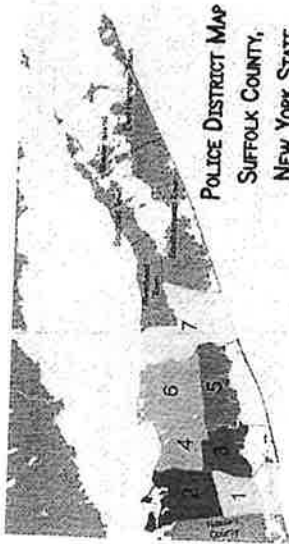
then **crawl on the floor**

until you get to a door

that opens to the outside

MAP

Examples



an image that shows a place
and gives information about it

HEADINGS

the title of a
section of
the text

Law Enforcement Jobs

Uniformed Officers
Officers in uniform may work for the local police department or sheriff's office, the state highway patrol, or the federal border patrol. Among other things, they make sure people follow the law by patrolling their assigned areas and responding to service calls.

Investigators

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Support Positions

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GLOSSARY

an alphabetical
list of important
words and their
meanings found
at the end of
the text

9-1-1: telephone number used to contact emergency services in the United States and Canada.

Aerosol: fine liquid or solid particles suspended in a gas (e.g. fog or smoke).

Arrest: when law enforcement takes custody of a person.

Arson: a fire that was set on purpose.

Briefing: a meeting where everyone who is working together on an issue is given the latest information available.

Criminal: someone who has been tried and convicted of committing a crime.

Search and Rescue:

The First 24 Hours

The most important period of time in a search and rescue mission is the first twenty-four hours.

Most often, search and rescue teams are looking for people who have survived an incident that may have caused serious injury. If a survivor is hurt, they are most likely to survive if they are found and taken to a hospital within one day of the incident.

Fun Fact:

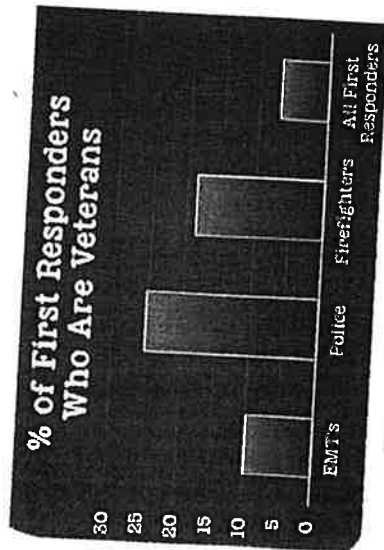
Since 1970, the U.S. Coast Guard's search and rescue missions have saved more than 200,000 people!

gives
additional
information
that is not
found in the
text

SIDEBAR

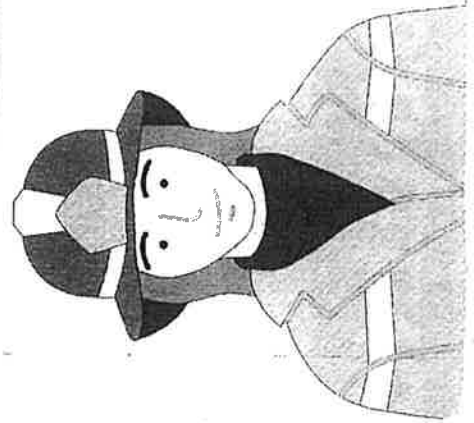
Examples

GRAPH



an image that shows numbers or amounts

ILLUSTRATION



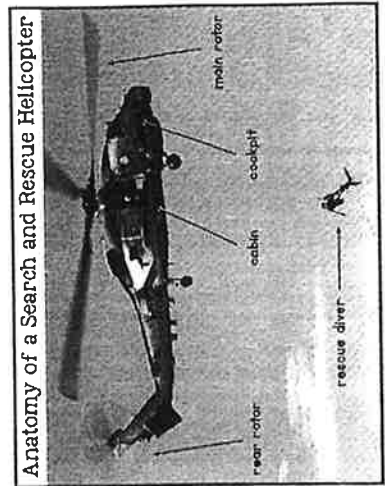
a picture that was drawn by someone

TABLE OF CONTENTS

TABLE OF CONTENTS	
1. 911 DISPATCH OPERATORS.....	3-12
2. PARAMEDICS & EMTs.....	13-20
3. LAW ENFORCEMENT.....	21-28
4. FIREFIGHTERS.....	29-34
5. SEARCH & RESCUE TEAMS.....	35-41

a list of the parts of a book and the pages where they are located

DIAGRAM



a picture with labels to show different parts

CAPTION

Examples

INDEX



This is a U.S. firefighter at Osan Air Base in South Korea. The picture looks wavy because of the intense heat coming from the fire.

a short description of a picture or illustration

an alphabetical list of important topics and the pages they can be found on

E	EMERGENCY	29-30, 33
	EMT	29-34
	ENFORCEMENT, LAW	21-28
	EVACUATION	27, 32, 38-39
F	FIRE	29-30, 33
	FIRE FIGHTER	29-34
	FIRE TRUCK	32-34

PHOTOGRAPH



a picture taken with a camera

Name _____



Solve & Share

The animals at a pet store eat 80 kilograms of vegetables each day. How many kilograms of vegetables do they eat in one week?

Model with math.
Drawing bar diagrams
can help you find the
needed operations.

80 kilograms



Lesson 14-8

Solve Word Problems Involving Mass and Liquid Volume

I can ...

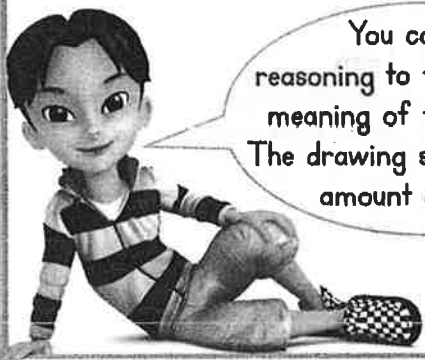
use pictures to help solve problems about mass and volume.

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Mathematical Practices MP.1, MP.2,
MP.4, MP.6

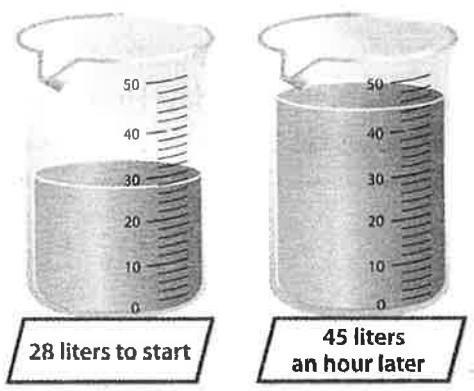
Look Back! © MP.1 Make Sense and Persevere Describe the plan you used to solve the problem.

A

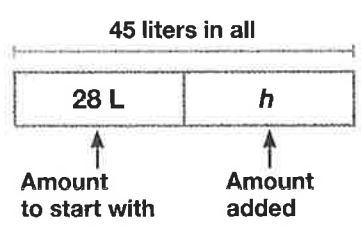
In a juice factory, one 50-liter container had 28 liters of juice in it. An hour later, it had 45 liters of juice. How many liters of juice were added?



You can use reasoning to figure out the meaning of the numbers. The drawing shows how the amount changed.



B Draw a picture to show what you know.



You know the total and one part. Subtract to find how many liters were added.

C Pictures can help you understand what operation to use.

Subtract to solve the problem.

$$45 - 28 = h$$

$$\begin{array}{r} 45 \\ - 28 \\ \hline 17 \end{array}$$

17 liters of juice were added to the container.



Convince Me! © **MP.1 Make Sense and Persevere** In the example above, another beaker had 33 liters of juice. How many total liters of juice were there in all? How can you solve this problem?

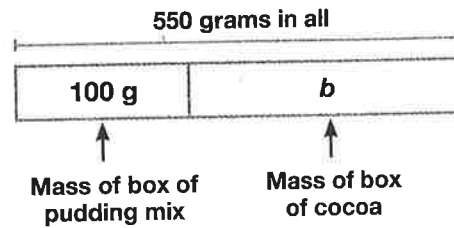
Guided Practice

Do You Understand?

- Suppose 42 liters of juice were evenly divided into 6 batches. Draw a picture to show how many liters of juice are in each batch.

Do You Know How?

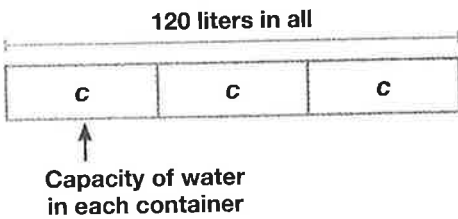
- Alex buys a box of pudding mix and a box of cocoa. The mass of the box of pudding mix is 100 grams. The total mass of the 2 boxes is 550 grams. What is the mass of the box of cocoa?



Independent Practice

Levelled Practice In 3–6, use drawings to solve.

- Peter has divided 120 liters of water equally in 3 containers. How many liters has he poured into each container?



- Adeela pours 235 milliliters of milk in a glass and 497 milliliters of milk in a bottle. How many milliliters of milk did she pour in all? Draw a picture to help solve the problem.
- Samantha bought 523 grams of grapes. After eating some grapes she had 458 grams. How many grams did she eat?
- Omar is shipping 3 boxes. Each has a mass of 8 kilograms. What is the total mass of all of the boxes?

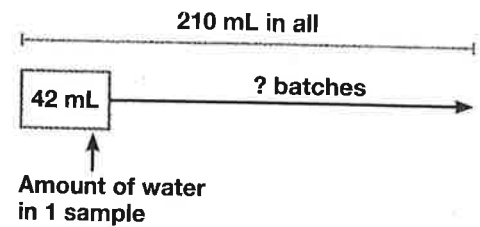
Math Practices and Problem Solving

In 7 and 8, use the table. In 8, use the bar diagram.

7. Professor Newman has collected a soil sample from the forest preserve in her town. What is the total mass of the 2 minerals in the soil?

8. **Higher Order Thinking** The professor finds that there is the same amount of water in each of the samples that she takes. If there are 210 mL of water in all, how many samples did she collect?

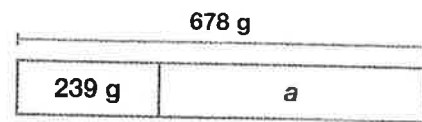
Soil Sample	
Component	Quantity
Quartz	141 g
Calcite	96 g
Water	42 mL



9. Elijah has 2 hours before dinner. He spends the first 37 minutes practicing guitar and next 48 minutes doing his homework. How much time is left until dinner?

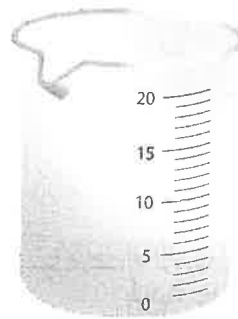
10. **MP.2 Reasoning** Laurie bought a 500 milliliter carton of cream. After using some of the cream, she had 245 milliliters left. How many milliliters of cream did she use?

11. **MP.1 Make Sense and Persevere** Write and solve a problem about the bar diagram.

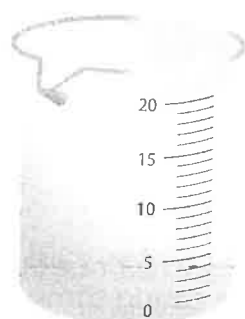


Common Core Assessment

12. Eric filled a container to the 18 L mark with juice an hour ago. The juice is now at the 15 L mark. Mark the amount of juice Eric had. Then use the pictures to find how many liters of juice have been poured out.



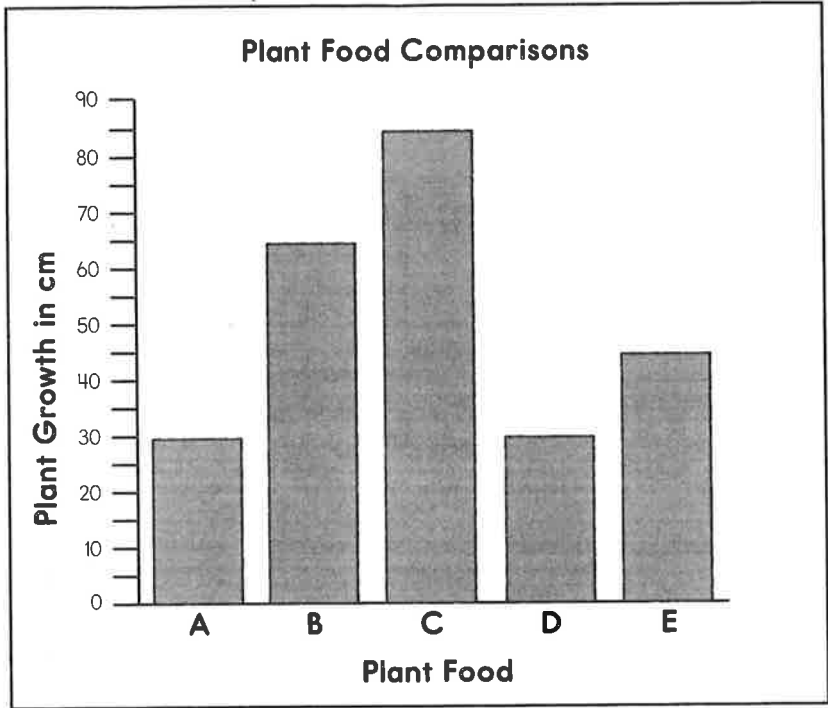
Amount of juice one hour ago



Amount of juice now

Bar graphs can be used to display and compare information. The bar graph below shows the results of a science experiment to find the best plant food.

Use the bar graph to answer each question.



- How much did the plant that received food B grow? _____
- Which two plant foods produced the same growth?
_____ and _____
- How much more did the plant that received food C grow than the plant that received food A?

- How much did the plant that received food E grow? _____
- Which two plant foods produced 110 cm of growth altogether?
_____ and _____
- How much more did the plant that received food B grow than the plant that received food D?

I can read a scaled bar graph with multiple categories.
 I can analyze graphs to solve problems.

Library Activity for NTI Day 18 for Grades 2nd-5th

LIBRARY MENU

Choose a book to read OR listen/watch a story from Storyline Online (www.storylineonline.net).

Choose ONE of the activities below. Mark the activity you chose with an X, and write your answers in complete sentences on the back of this page.

Why did you choose this book to read?	Write a three sentence summary of what you read today. Write the details in order.	If you could ask your main character one question, what would it be?
What character in your story would you like to invite over to your house? Explain why.	If you were the author, what's one thing you would change about the book and why?	If you wrote a sequel to this book, what title would you give it and why?
Describe the setting in your book including time and place.	You are going to give one character in your book an award for one of their character traits. What would the award be and why?	What lesson do you think the author wants you to learn from reading this story?

