



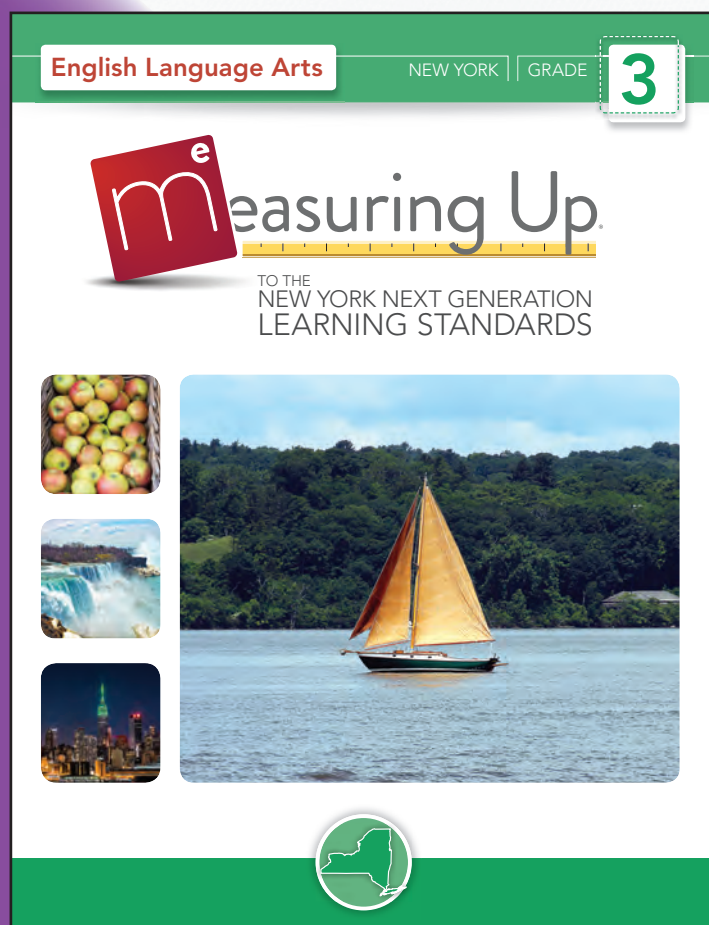
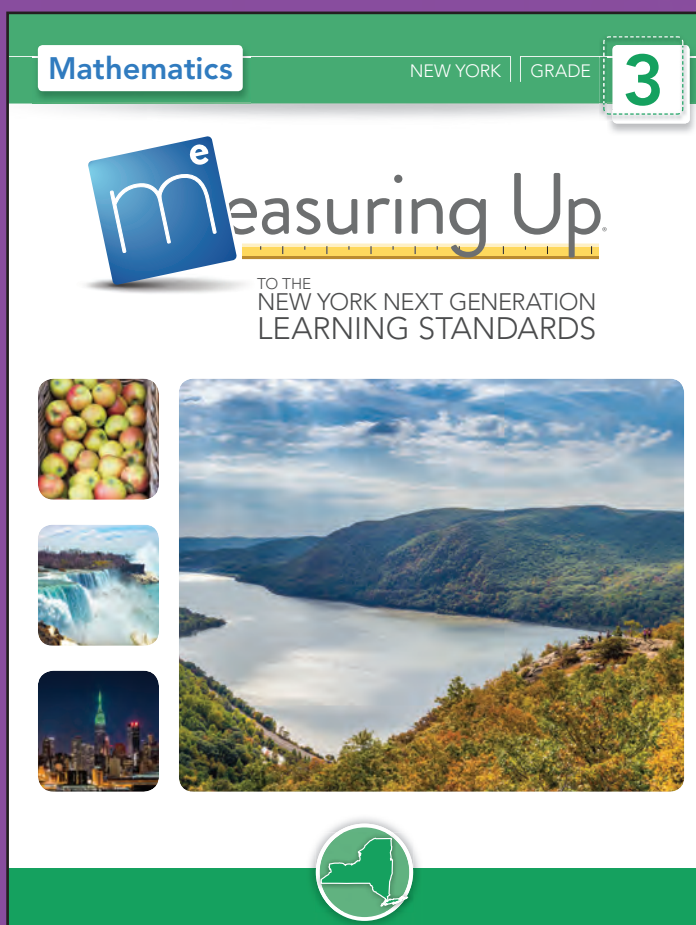
# measuring Up<sup>®</sup>

## to the New York NEXT GENERATION LEARNING STANDARDS

Available September/October 2020

**NEW! Lesson Feature — Share It!**  
Supports Culturally Responsive-  
Sustaining Education

English Language Arts  
Mathematics  
Grades 3–8



## Engage. Inspire. Empower.





# Measuring Up

English Language Arts  
Mathematics  
Grades 3-8

NEW!

Grade 3, ELA

Based on feedback from NY educators, powerful changes have been made to the lesson design offering you more support for collaborative teaching and additional opportunities to model. Practice includes “beginning items” that provide a more basic level of understanding and then progress to more “rigorous type” items that students will see on the assessment.

Two Independent Practices opportunities are available for students. The first provides scaffolding and support, and for reading, a passage that is beginning to mid-grade reading level. The second practice gives students the chance to show what they have learned with more rigorous items and a passage that is mid-to end grade reading level.

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Lesson 13  
DETERMINE THE MEANING OF WORDS 394

INTRODUCTION

Real-World Connection

**NATURAL WONDERS**

Keisha's favorite TV program is *Amazing Natural Wonders*. This week's show is about the Black Canyon. The show uses the word gorge to talk about the Black Canyon. Keisha does not know what this word means. She thinks about pictures she saw of the Black Canyon. The canyon was deep and rocky. She thinks about the way the show uses the word. "The Black Canyon is a gorge." She remembers other words that were used to talk about the Black Canyon: valley and deep. How can Keisha figure out the meaning of this word? We will practice the skills in the **Guided Instruction** and **Independent Practice**. Then, we will get back to Keisha and the word gorge at the end of the lesson.

What I Am Going to Learn

- How I can use context clues to determine the meaning of

What I May Already Know

- I know words that have special meanings in different subjects.
- I know words that help my vocabulary.

WORDS TO KNOW  
context clue  
definition

Lesson 13 DETERMINE THE MEANING OF WORDS

Vocabulary in Action

As you read, you will come across different types of words.

- A **context clue** is a word, sentence, or picture. Context clues help you discover the meaning of a new word. Look before and after the unknown word in a sentence. Here are some examples of context clues.

A **definition** is the meaning of a word. You can sometimes find a definition right after the word in the text. For example, look at this sentence: *The locomotive, or train engine, was on track 3.* The definition of the word *locomotive* is "train engine." It is right next to *locomotive* in the sentence.

**Synonyms** are words that are easy and simple. Of meaning of the sentence.

Solving a puzzle was easy.

Solving a puzzle was simple.

**Antonyms** are words that mean the opposite. *full* and *empty* are antonyms. So are *easy* and *hard*. Notice that the sentences below tell something very different from each other.

Solving the puzzle was simple.

Solving the puzzle was hard.

You may also come across words that you can break into parts to figure out their meanings.

- A **prefix** is a word part at the beginning of a word. Prefixes can help you figure out the meaning of words.
- A **suffix** is a word part at the end of a word. Suffixes can give you hints to the meaning of the words.
- A **root word** is a smaller word part you may know within a word you do not know.

Can you fill in the last box of this chart?

Word	Meaning

Lesson 13 DETERMINE THE MEANING OF WORDS

- 1 What does the word "adaptation" mean as it is used in paragraph 1?
- A a behavior or body part that makes an animal bigger
  - B a behavior or body part that helps an animal swim
  - C a behavior or body part that helps an animal hunt
  - D a behavior or body part that helps an animal survive

**HINT, HINT**  
Look for the first-time adaptation is used, then read the words that come after it to see what it means!

- 2 In paragraph 2, "prey" is a polar bear's
- A fur
  - B claws
  - C food
  - D paws

- 3 What does the word "predator" mean as it is used in paragraph 2?
- A something that polar bears eat
  - B something that eats polar bears
  - C something that hides from polar bears
  - D something that is afraid of polar bears

**HINT, HINT**  
See the word predator in paragraph 2, then look at the next sentence. What does it tell you?

Deepen student understanding by bringing in background knowledge and real-world scenerios to help them make meaning of the lesson theme and content.

Students begin lessons by viewing academic vocabulary and seeing examples of words in context.

Hints and other suggestions help guide students to the correct answer.

GUIDED INSTRUCTION

Read this ad Keisha saw in a magazine. Use context clues to figure out the meaning of the underlined words.

Hike the Black Canyon

Take a thrilling hike this summer in the Black Canyon! The bottom gets only 30 minutes of sun each day. That is how it got its name. The sides of this steep canyon plunge, or drop down, about 3,000 feet. But do not fear! Experienced guides will take you safely through this treacherous gorge. This trek lasts four days. It includes a walk across a bridge above the thundering Gunnison River.



1. Look at the word plunge. Circle after the word.

- (A) sunny
- (B) unsafe
- (C) gentle
- (D) long

**HINT, HINT**

Read the sentence that treacherous is used in. Look for the word that is an antonym of treacherous.

3. What is the meaning of trek?

- (A) test
- (B) trail
- (C) trip
- (D) river

**HINT, HINT**

The text has many clues about the meaning of trek. You can see that it is something that takes time and happens on foot.

4. List two synonyms in the text that help you determine the meaning of trek.

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Unit 2 | Informational Texts | masteryeducation.com [ 3 ]

Lesson 13 DETERMINE THE MEANING OF WORDS

rock from a fresh point of view. Others go on hikes with Aboriginal guides to get closer to the rock and learn more about ancient Aboriginal history. If you do get the chance to visit, make sure to see Ayers Rock at sunrise or sunset for the best views. It is a truly magical sight!

- 1 What does the word "reflects" mean as it is used in paragraph 2?

- A thinks about
- B throws back
- C takes in
- D casts blame

- 2 Read these sentences from paragraph 4.

Then the seawaters disappeared. Slowly, the rock layers became exposed.

What is the best meaning of the word "exposed" as used in these sentences?

- A dried
- B covered
- C unhidden
- D faded

- 3 What is the best way to figure out the meaning of "reflects" in paragraph 2?

- A by looking at the definition given in the text
- B by breaking the word into its different parts

Lesson 13 DETERMINE THE MEANING OF WORDS

Learning Together

Choose a magazine article you like. Work with a partner to read the article and make a list of words and phrases that are important to the article's meaning. Prepare a glossary that lists the meaning of these words or phrases as they are used in the article. You may want to illustrate your glossary with simple drawings or illustrations cut from a magazine. Present the article and your glossary in a booklet that you can share with classmates.

Circle the sign that shows how you are doing with the skill.



I am stuck.



I almost have it.



I understand the skill.

How Am I Doing?

What questions do you have?

How can you find the meaning of unknown words?

How do you use context words in your everyday reading, writing, and conversations?

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Lesson 13 DETERMINE THE MEANING OF WORDS

- 7 Read this sentence in paragraph 3.

This way, both names for the mountain are

What is the meaning of "preserved"? How does this word? Use **two** details from the passage.

- 8 What does the word "monolith" mean help you learn the meaning of the word your answer.

EXIT TICKET

Now you know how to use context clues. Let's revisit the Real-World Connection. Think about the word gorge that Keisha was having trouble with in the beginning of the lesson. Remember that she thought about pictures she saw of the Black Canyon. It was deep and rocky. Remember that she thought about the way the show used the word: "The Black Canyon is a gorge." Remember that she thought about other words that were used to talk about the Black Canyon: valley and deep. Use what you learned in the lesson to define the word gorge on the lines below.

**Exit Tickets**  
End-of-lesson quick checks ensure students understand the lesson concepts before moving on.

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Lesson 1

UNDERSTAND MULTIPLICATION NY.3.OA.1

INTRODUCTION

Real-World Connection

Carrie is having a picnic at the park. She sees 5 bicycles parked against a tree. Each bicycle has 2 wheels. How many wheels do she see in all?

Carrie can use multiplication to find how many wheels she sees in all. Let's practice the skills in the **Guided Instruction** and **Independent Practice** and help Carrie solve her problem at the of the lesson!

What I Am Going to Learn

- How to use multiplication to combine equal groups
- How to identify the factors and the product in a multiplication sentence
- How to draw a picture to see the total number of objects in combined equal groups.

What I May Already Know

- I know how to use addition to find the number of objects arranged in equal rows.
- I know how to add numbers.

Vocabulary in Action

- To **multiply** means to combine **equal groups** using addition.
- The symbol " $\times$ " means multiply.

WORDS TO KNOW  
multiply  
equal groups

LESSON 1 UNDERSTAND MULTIPLICATION



- To multiply 3 and 5, write  $3 \times 5$ , which means add 3 groups of 5:  $5 + 5 + 5$ .
- Each number is a **factor**, and the total is the **product**.
- $5 + 5 + 5 = 15$ , so the product of  $3 \times 5$  is 15.

EXAMPLE

Cars have 4 tires. How many tires are there for 3 cars?



There are 3 groups of 4 tires, or 12 tires in all:  $4 + 4 + 4 = 12$

To use multiplication, write:

$$3 \times 4 = 12$$

Three groups of four equals twelve.

3 and 4 are the factors and 12 is the product.

You can use repeated addition to solve multiplication problems, and you can make a drawing.

EXAMPLE

What is the product of  $4 \times 5$ ?

$4 \times 5$  is 4 groups of 5:



Learning Together

$5 \times 4 = 20$ ;  $4 \times 5 = 20$ . 20 can also be described as 4 groups with 5 marbles in 5 groups with 4 marbles in each group. Or it could be  $2 \times 2 \times 5$ . There are many ways to describe a number using multiplication sentences.

Work with a partner to make a list of different ways to describe a number using multiplication. Each of you should write a number at the top of a sheet of paper. Then write one way to describe the number using multiplication. Now, trade your sheets. Write another way to describe the number your partner wrote. Keep going until you can't think of any other ways to write the numbers. Then try with new numbers.



How Am I Doing?

What questions do you have?

Write a number sentence to show multiplication.

Horses have 4 legs; people have 2 eyes. What are some other things that have equal groups?

Circle the sign that shows how you are doing with the skill.



I am stuck.



I almost have it.



I understand the skill.

INDEPENDENT PRACTICE 1

1 Which is another way to show  $5 + 5 + 5$ ?

- A  $1 \times 5$
- B  $5 \times 2$
- C  $3 \times 5$
- D  $5 \times 5$

SKETCH IT

Try drawing a picture. How many groups of 5 will you have in your picture?

2 Jill drew an array. She drew this row of squares and then repeated the row 7 more times.



Which multiplication did she model?

- A  $6 \times 5$
- B  $6 \times 7$
- C  $6 \times 8$
- D  $6 \times 9$

HINT, HINT

The row of squares is already drawn once. What if Jill added 7 more rows?

3 Jenny says this picture shows that  $3 \times 6 = 18$ .



HINT, HINT

There are 6 flowers in each row. How many rows do you see?

Is she correct?

- A Yes, she is correct.
- B No, she is not correct.
- C No, she is not correct.
- D No, she is not correct.

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TURN AND TALK

How is this problem similar to the one below? How is it different?

2. Dante has 4 pairs of socks. How many socks are there in all?

Step One Draw a picture.

Show 4 groups.

Show 2 socks in each group.



Step Two There are 4 groups of 2.

Write an addition sentence.

$$2 + 2 + 2 + 2 = 8$$

Step Three Write a multiplication sentence.

$$4 \times 2 = 8$$

Step Four Solve the problem.

There are 8 socks in all.

3. Which number sentence describes the picture?



- A 2 groups of 3
- B  $2 + 2 + 3$
- C  $3 \times 3$
- D  $3 \times 2$

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INDEPENDENT PRACTICE 2

1 Which number sentence shows 4 groups of 3?

- A  $4 \div 3$
- B  $3 \div 3 + 3 + 3$
- C  $4 \times 4$
- D  $4 \div 4 + 4$

2 Look at the picture below.



Which number sentence represents the picture?

- A  $2 \times 5$
- B  $2 \times 6$
- C  $2 + 6$
- D  $2 \times 2$

3 David has bags of marbles. Each bag has 4 marbles. The picture shows the number of bags.

A 1 bag

B 2 bags

C 3 bags

D 4 bags

[ 8 ]

EXIT TICKET

Now that you have learned what multiplication means and how to write a multiplication sentence, let's help Carrie solve the problem in the **Real-World Connection**. Carrie is having a picnic at the park. She sees 5 bicycles parked against a tree. Each bicycle has 2 wheels. How many wheels does she see in all?



How can Carrie use multiplication to find how many wheels she sees?

Sample answer: There are 5 bicycles with 2 wheels each, so there are 5 groups of 2.  
 $2 + 2 + 2 + 2 + 2 = 10$   
 $5 \times 2 = 10$   
So, Carrie sees 10 wheels in all.

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GUIDED INSTRUCTION

Many things can be counted in equal groups. If you have several of the same item, you can use multiplication.

1. Dante has 2 shirts. Each shirt has 4 buttons. How many buttons are there in all?

Step One Draw a picture.

Show 2 groups.

Show 4 buttons in each group.

Step Two Write an addition sentence.

$$4 + 4 = 8$$

Step Three Write a multiplication sentence.

$$2 \times 4 = 8$$

Step Four Solve the problem.

There are 8 buttons in all.

**Guided Instruction** helps students review the skills and standards, and practice answering test items.

Exit Tickets

End-of-lesson quick checks ensure students understand the lesson concepts before moving on.

Academic Vocabulary is listed at the beginning of each mathematics lesson with additional descriptions to provide students with context.

Tips and other guidance help students work through mathematics questions.





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