

Lesson 7 Homework Answer Key

NY5 COMMON CORE MATHEMATICS CURRICULUM Lesson 2 Homework

Name _____ Date _____

Use the ROW process to solve. Use a letter to represent the unknown in each problem.

1. A box containing 3 small bags of flour weighs 950 grams. Each bag of flour weighs 300 grams. How much does the empty box weigh?

Handwritten solution:

Diagram: A box divided into four sections. The first three sections are labeled "300", "300", and "300". The fourth section is labeled "?". A bracket above the entire box is labeled "950g".

$300 + 300 + 300 = 900$
 $950 - 900 = 50 \text{ g}$

The empty box weighs 50 grams.

2. Mr. Cullen needs 91 carpet squares. He has 49 carpet squares. If the squares are sold in boxes of 6, how many more boxes of carpet squares does Mr. Cullen need to buy?

Handwritten solution:

Diagram: A box divided into two sections. The first section is labeled "49". The second section is labeled "?". A bracket below the entire box is labeled "91".

$91 - 49 = 42$
 $42 \div 6 = 7$

Mr. Cullen needs to buy 7 more boxes.

3. Erica makes a banner using 4 sheets of paper. Each paper measures 9 inches by 10 inches. What is the total area of Erica's banner?

Handwritten solution:

Diagram: A rectangle divided into four equal sections. The top section is labeled "10". The left section is labeled "9".

$10 + 10 + 10 + 10 = 40$
 $A = 9 \times 40$
 $A = 360 \text{ sq. in.}$

The total area is 360 sq in.

COMMON CORE Lesson 2: Solve word problems in varied contexts using a letter to represent the unknown. Date: 1/29/14 engage^{ny} 7.A.25

Lesson 7 Homework Answer Key is an essential tool for students and educators alike, providing clarity and guidance on various topics covered in the curriculum. As students progress through their learning journey, having access to an answer key can significantly enhance their understanding of complex concepts and facilitate self-assessment. In this article, we will delve into the importance of answer keys, the structure of Lesson 7, and common questions related to it, along with detailed answers and explanations.

The Importance of an Answer Key

An answer key serves multiple purposes in the educational process. Here are some significant benefits:

1. **Self-Assessment:** Students can check their work against the answer key to gauge their understanding and identify areas that need improvement.
2. **Immediate Feedback:** An answer key provides instant feedback, allowing students to learn from their mistakes and reinforce correct concepts.
3. **Study Aid:** For upcoming exams and quizzes, students can use the answer key to review and practice, ensuring they are well-prepared.
4. **Resource for Teachers:** Educators can utilize answer keys to streamline grading and provide additional support to students who may be struggling.

Overview of Lesson 7

Lesson 7 typically covers advanced topics that may vary depending on the subject matter. Below, we will explore common themes found in Lesson 7 across different subjects:

Mathematics

In a mathematics context, Lesson 7 may focus on:

- **Fractions and Decimals:** Converting between fractions and decimals, performing operations with fractions, and understanding ratios.
- **Algebraic Expressions:** Simplifying expressions, solving linear equations, and evaluating algebraic formulas.
- **Geometry:** Understanding properties of shapes, calculating area and perimeter, and working with

angles.

Science

In a science curriculum, Lesson 7 might cover:

- Biology: Cell structure, functions, and processes such as photosynthesis and respiration.
- Chemistry: Basics of chemical reactions, understanding the periodic table, and exploring atomic structure.
- Physics: Concepts of force, motion, energy, and the laws of thermodynamics.

Language Arts

For Language Arts, Lesson 7 could include:

- Literary Analysis: Identifying themes, character development, and plot structure in a text.
- Writing Skills: Crafting persuasive essays, understanding grammar rules, and developing narrative techniques.
- Vocabulary Development: Learning new words and their usage in context.

Sample Questions and Answers from Lesson 7

Below are sample questions that might be found in a typical Lesson 7 homework assignment, along with their corresponding answers.

Mathematics Examples

Question 1: Simplify the expression $3(x + 4) - 5$.

Answer:

1. Distribute the 3:

$$3x + 12 - 5$$

2. Combine like terms:

$$3x + 7$$

Thus, the simplified expression is $3x + 7$.

Question 2: Calculate the area of a triangle with a base of 10 cm and a height of 5 cm.

Answer:

Area of a triangle formula:

$$A = \frac{1}{2} \times \text{base} \times \text{height}$$

Substituting the values:

$$A = \frac{1}{2} \times 10 \times 5 = 25 \text{ cm}^2$$

Science Examples

Question 1: What is the primary function of the mitochondria in a cell?

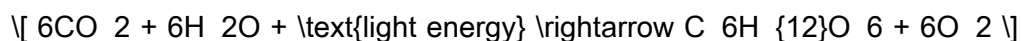
Answer:

The mitochondria are known as the powerhouse of the cell. Their primary function is to produce adenosine triphosphate (ATP) through cellular respiration, providing energy for various cellular processes.

Question 2: Describe the process of photosynthesis.

Answer:

Photosynthesis is the process by which green plants, algae, and some bacteria convert light energy into chemical energy. The general equation for photosynthesis is:



This process takes place in the chloroplasts, where carbon dioxide and water are transformed into glucose and oxygen using sunlight.

Language Arts Examples

Question 1: Identify the theme of the story "The Tortoise and the Hare."

Answer:

The theme of "The Tortoise and the Hare" is that slow and steady wins the race. It teaches the lesson that consistency and perseverance can lead to success, even when faced with seemingly more talented competitors.

Question 2: Write a sentence using the word "benevolent."

Answer:

The benevolent woman dedicated her time to helping those in need, ensuring that everyone in her

community felt cared for and supported.

How to Use the Answer Key Effectively

Students can maximize the benefits of an answer key through the following strategies:

- Review Incorrect Answers: When checking homework, focus on questions that were answered incorrectly. Analyze why the mistakes were made and seek to understand the correct approach.
- Practice Similar Problems: After reviewing the answer key, practice similar problems to reinforce the concepts learned.
- Discuss with Peers: Engage in group discussions with classmates about the homework answers. This collaborative approach can lead to deeper understanding and varied perspectives.
- Consult Teachers: If confusion persists, seek clarification from teachers, using the answer key as a reference point for specific questions.

Conclusion

In summary, the Lesson 7 Homework Answer Key is a vital resource for students, aiding in their understanding of complex topics across various subjects. By providing immediate feedback, it empowers students to take charge of their learning and prepare effectively for future assessments. As students engage with the answer key, they are encouraged to adopt proactive study habits, ensuring that they not only complete their assignments but also grasp the underlying concepts that will benefit them throughout their educational journey. By leveraging tools like an answer key, students can cultivate a mindset geared towards success and lifelong learning.

Frequently Asked Questions

What is the purpose of the Lesson 7 homework answer key?

The Lesson 7 homework answer key provides students with correct answers to the exercises and problems assigned, allowing them to check their work and understand any mistakes.

Where can I find the Lesson 7 homework answer key?

The Lesson 7 homework answer key can typically be found on the educational institution's website, in the course materials section, or provided directly by the teacher.

Are answer keys for Lesson 7 available for all subjects?

Yes, answer keys for Lesson 7 are generally available for various subjects, including math, science, and language arts, depending on the curriculum used.

How can I use the Lesson 7 homework answer key effectively?

To use the Lesson 7 homework answer key effectively, compare your answers to the key, identify any errors, and review the corresponding material to reinforce your understanding.

Is it ethical to use the Lesson 7 homework answer key for studying?

Using the answer key for studying is generally considered ethical as long as it is used to enhance understanding rather than simply copying answers.

What should I do if I find discrepancies in the Lesson 7 homework answer key?

If you find discrepancies in the Lesson 7 homework answer key, it is best to consult your teacher or peers for clarification and verify the correct answers.

Can the Lesson 7 homework answer key help improve my grades?

Yes, using the Lesson 7 homework answer key can help improve your grades by allowing you to learn from your mistakes and grasp the concepts better, leading to improved performance in future assignments.

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