

# Learning Strand 3

## Mathematical and Problem Solving Skills

### DECIMALS

Accreditation and Equivalency (A&E) Program Module



## Book Record

School: \_\_\_\_\_ District: \_\_\_\_\_

Division: \_\_\_\_\_ Region: \_\_\_\_\_ Date Received by School: \_\_\_\_\_

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2. Use the following letters in recording the **condition** of the book before and after borrowing:

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**C.** used book in Fair Condition

**B.** used book in Good Condition

**D.** used book in Poor Condition

| Name of Borrower | Date Issued | Condition | Date Returned | Condition |
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|                  |             |           |               |           |
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#### Dos:

1. Cover your book using a plastic cover, manila paper, old newspaper, or magazine.
2. Be sure your hands are clean when you handle or turn the pages.
3. When using a book for the first time, lay it on its back and open only a few pages at a time.
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8. Do not use it to cover your head when it is raining.
9. Do not sit on it.

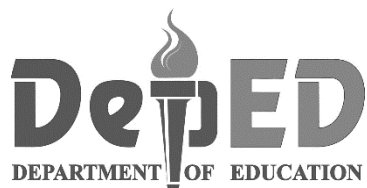
**Elementary**

**Learning Strand 3**  
**Mathematical and Problem Solving Skills**  
**DECIMALS**

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**Accreditation and Equivalency (A&E) Program Module**



**Learning Strand 3 – Elementary**  
**Alternative Learning System**  
**Decimals**  
**First Edition, 2023**

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# User's Guide

*For the ALS Learner:*

This module was designed to provide you with fun and meaningful opportunities for guided and independent learning at your own pace and time. You will be enabled to process the contents of the learning resource while being an active learner.

This module has the following parts and corresponding icons:



## **What Is This Module About?**

This will give you an idea of the skills or competencies you are expected to learn in the module.



## **Let's See What You Already Know**

This part includes an activity that aims to check what you already know about the lesson. If you get all the answers correct (100%), you may decide to skip



## **What Will You Learn from This Module?**

This contains objective/s or the learning competencies in a lesson. This may include a brief rationale on what you will learn.



## **Let's Do This**

This part gives instruction to the learner to perform the activity/ies as mentioned-above to ensure learning the competencies or the objectives.



## **Let's Study and Analyze**

This section provides a brief discussion of the lesson. This aims to help you discover and understand new concepts and skills.



## **Let's Try This**

This comprises activities for independent practice to solidify your understanding and skills of the topic. You may check the answers to the exercises using the Answer Key at the end of the module.



## **Let's See What You Have Learned**

This section provides an activity that will help you transfer your new knowledge or skill in real-life situations or concerns.



## **Let's Remember and Review**

This contains key concepts taken from all the lessons covered in every module.



### **Explore More**

This is an activity in a form that increase the strength of the response and tends to induce repetitions of actions/learning.



### **What Have You Learned?**

This is a task which aims to evaluate your level of mastery in achieving the given learning competency.



### **Answer Key**

This contains answers to all activities in the module.

### **Glossary**

This portion gives information about the meanings of the specialized words used in the module.

### **Reference**

This is a list of all sources used in developing this module.

The following are some reminders in using this module:

1. Use the module with care. Do not put unnecessary mark/s on any part of the module. Use a separate sheet of paper in answering the exercises.
2. Don't forget to answer the Pre-assessment before moving on to the other activities included in the module.
3. Read the instruction carefully before doing each task.
4. Observe honesty and integrity in doing the tasks and checking your answers.
5. Finish the task at hand before proceeding to the next.
6. Return this module to your ALS Teacher/Instructional Manager/Learning Facilitator once you are through with it.

If you encounter any difficulty in answering the tasks in this module, do not hesitate to consult your ALS Teacher/Instructional Manager/Learning Facilitator. Always bear in mind that you are not alone.

We hope that through this material, you will experience meaningful learning and gain deep understanding of the relevant competencies. You can do it.

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## What Is This Module About?

This module is designed for learners to understand the concept of decimals. They will be introduced to decimal notation, place values, and equivalent fractions as well as learn how to add and subtract decimals accurately.

The module is divided into three lessons, namely:

Lesson 1 – Read and Write Decimals in Words and Symbols

**(LS3MP-NN-PSB-AE-82 )**

Lesson 2 – Rounding Decimals **(LS3MP-NN-PSB-AE-85)**

Lesson 3 – Addition and Subtraction of Decimals **(LS3MP-NN-PSB-AE-90)**

After going through this module, you are expected to:

1. Write decimal numbers in words;
2. Round decimal numbers to the nearest hundredth and thousandth;
3. Add and subtract decimals



## Let's See What You Already Know

Directions: Read each statement carefully. Write the letter if the correct answer.

- How do you write 23.346 in words?  
A. twenty-three three hundred forty-six  
B. twenty-three thousand and three hundred forty-six  
C. twenty-three and three hundred forty-six thousand  
D. twenty-three and three hundred forty-six thousandths
- Which number shows seventy-three hundredths in standard form?  
A. 7.300                      B. 7.3                      C. 0.73                      D. 0.073
- Find the difference:  $38.54 - 19.42$   
A. 12.19                      B. 12.91                      C. 19.12                      D. 19.21
- Maria used 12.34 meters of red ribbon and 1.8 meters of white ribbon on the gift that she would give her mother. How many meters of ribbon did she use?  
A. 14.15                      B. 14.14                      C. 14.13                      D. 14.12
- In a long jump competition, Willy recorded 2.85 meters while Jon had a record of 1.48 meters. How much farther did Willy jump than Jon?  
A. 1.37 meters                      C. 1.57 meters  
B. 1.47 meters                      D. 1.67 meters
- Find the sum:  $19.39 + 20.429$   
A. 38.819                      C. 39.819  
B. 38.918                      D. 39.918
- Add the given decimal numbers:  $6.45 + 0.234 = \square$   
A. 6.864                      B. 6.684                      C. 8.864                      D. 8.684
- What is 19.356 rounded to the nearest hundredths?  
A. 19.34                      B. 19.35                      C. 19.37                      D. 19.37
- 7.63 more than the sum of 2.06 and 7.85 is \_\_\_\_  
A. 15.54                      B. 15.57                      C. 17.54                      D. 17.45
- Anna bought a bunch of flowers for Php95.50. If she gave Php100.00, how much was her change?  
A. Php4.00                      B. Php4.25                      C. Php4.50                      D. Php4.75

11. Add 82.839 to the difference of 189 and 158.84  
A. 112.839      B. 112.938      C. 112.947      D. 112.999
12. Find the difference between 56.63 and 49.92  
A. 0.00671      B. 0.671      C. 6.71      D. 67.1
13. What is 5.28 more than the sum of 3.06 and 1.85?  
A. 10.19      B. 10.91      C. 19.10      D. 19.01
14. Add 2.142 to the difference of 18 and 15.84.  
A. 3.402      B. 3.420      C. 4.320      D. 4.302
15. In a running competition, Joey recorded 10.85 meter while Juan had a record of 9.16 meter. How much farther did Joey run than Juan?  
A. 169 meters      C. 1.69 meters  
B. 16.9 meters      D. 0.169 meters



## **What Will You Learn From This Module?**

Decimals are used widely. Our money is based on a decimal system. Common measurements such as the height of students in a class, the price of petrol or the amount of gas used for heating your home are usually expressed using decimals.

We can represent decimals as points on the number line by repeatedly subdividing intervals into tenths. A decimal number gives the 'address' of a point on the number line – the digits give successively more accurate information and together locate a point. This is an extension of the concept of place value met earlier. Whole numbers are written as strings of digits that correspond to the 'places' ones, tens, hundreds, etc.

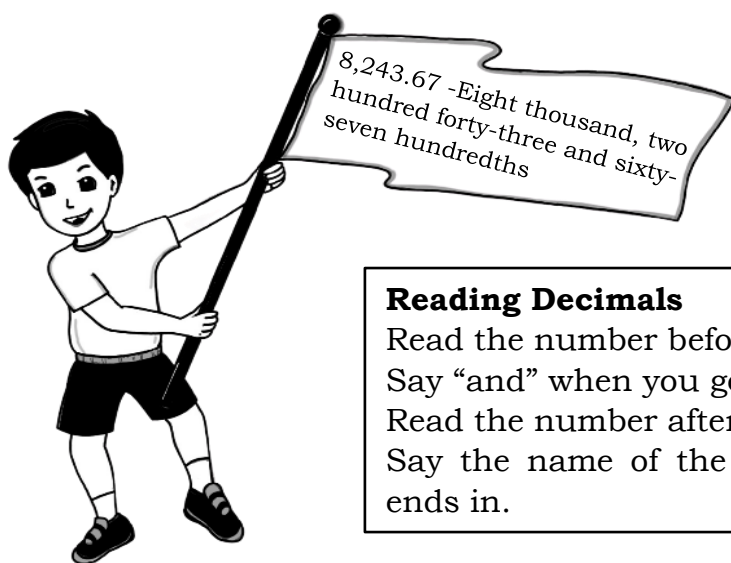
Despite their common use today, decimals were not used widely until the early seventeenth century. Now, decimals are used extensively and almost exclusively in commerce and science. In mathematics, decimals can be used to represent both rational and irrational numbers. They are often used where measurements are taken and recorded to a given accuracy.

After going through this module, you are expected to:

1. Write decimal numbers in words;
2. Round decimal numbers to the nearest hundredth and thousandth;
3. Add and subtract decimals

**Lesson****1****Read and Write Decimals in Words and Symbols**

We use decimals every day while dealing with money, weight, length etc. Decimal numbers are used in situations where more precision is required than the whole numbers can provide. For example, when we calculate our weight on the weighing machine, we do not always find the weight equal to a whole number on the scale. In order to know our exact weight, we must understand what the decimal value on the scale means. This section deals with the concept of decimals in our daily lives.

**Reading Decimals**

Read the number before the decimal point.

Say "and" when you get to the decimal.

Read the number after the decimal.

Say the name of the place that the decimal ends in.

**Let's Do This**

Write each decimal number in words.

1. 0.3

2. 0.001

3. 89.75

4. 13.014

5. 69.832

6. 8.5170

7. 38.259

8. 6.3510

9. 9.5023

10. 8.499



## Let's Study and Analyze

A decimal is any number in our base-ten number system. Specifically, we will be using numbers that have one or more digits to the right of the decimal point in this unit of lessons. The decimal point is used to separate the ones place from the tenths place in decimals. It is also used to separate peso from cents in money.

| tens | ones | and | tenths | hundredths | thousandths | ten<br>thousandths | hundred<br>thousandths |
|------|------|-----|--------|------------|-------------|--------------------|------------------------|
| 4    | 8    | .   | 5      | 1          | 4           | 9                  | 7                      |

As we move to the right in the place value chart, each number place is divided by 10. For example, thousands divided by 10 gives you hundreds. This is also true for digits to the right of the decimal point. For example, tenths divided by 10 gives you hundredths. When reading decimals, the decimal point should be read as “and”. Thus, we read the decimal 48.51497 as “forty-eight and fifty-one thousand four hundred ninety-seven hundred thousandths.”

Example 1

| Phrase                             | Fraction           | Decimals |
|------------------------------------|--------------------|----------|
| four-tenths                        | $\frac{4}{10}$     | 0.4      |
| twelve hundredths                  | $\frac{12}{100}$   | 0.12     |
| thirty-two hundredths              | $\frac{32}{100}$   | 0.32     |
| one hundred thirty-one thousandths | $\frac{131}{1000}$ | 0.131    |



## Let's Try This

A. Write the words in decimal form on your answer sheet.

1. four hundredths
2. seventeen hundredths
3. one hundred thousandths
4. fifty and sixty-two hundredths
5. fourteen and three hundred four thousandths
6. four hundred ten and two ten thousandths

B. Write the following decimal numbers in words on your answer sheet.

1. 0.408
2. 152.0743
3. 94.0036
4. 83.020
5. 312.0901



## Let's See What You Have Learned

C. Write the following decimal numbers in words on your answer sheet.

- 1) 12.34
- 2) 7.089
- 3) 12.93
- 4) 123.78
- 5) 234.89

D. Write the words in decimal form on your answer sheet.

1. three hundredths
2. twelve hundredths
3. forty-seven hundredths
4. eight tenths
5. four and eight tenths

## Lesson

# 2

## Rounding Off Decimals

Rounding means making a number simpler but keeping its value close to what it was. Estimating is an important part of mathematics and a very handy tool in everyday life. Rounding off is a kind of estimating numbers. To estimate means to make a rough guess or calculation. To round means to simplify a known number by scaling it slightly up or down. Rounding is a type of estimating.



### Let's Do This

A. Round off the following as indicated on your answer sheet.

1. 0.6542 (nearest tenths) \_\_\_\_\_
2. 0.9568 (nearest thousandths) \_\_\_\_\_
3. 10.2346 (nearest hundredths) \_\_\_\_\_
4. 73.6834 (nearest thousandths) \_\_\_\_\_
5. 25.1934 (nearest tenths) \_\_\_\_\_



### Let's Study and Analyze

We can round off decimals to a certain accuracy or number of decimal places. This is used to make calculation easier to do and results easier to understand.

First, you will need to remember your place value:

| Place Value |      |     |        |            |             |                 |                     |
|-------------|------|-----|--------|------------|-------------|-----------------|---------------------|
| tens        | ones | and | tenths | hundredths | thousandths | ten thousandths | hundred thousandths |
|             | 5    | .   | 2      | 1          | 8           | 3               | 5                   |

Read as “five and twenty-one thousand eight hundred thirty-five hundred thousandths.”

## How to round off decimal numbers?

The rules for rounding off decimals are the same as the rules for whole numbers.

Step 1: Determine the place the number to be rounded to.

Step 2: Look at the first digit to the right of that place.

Step 3: If the digit is equal to or more than 5, round up while if the digit is less than 5, round down.

Step 4: We may drop the zeros to the right of the rounding place.

Example:

Round 74.86425 to the nearest ten thousandths

Solution:

The digit at tenth place is 8.

The last digit to the right of 2 is 5.

Since the last digit to the right of ten thousandths is 5, round up.

74.86425 rounded to the nearest ten thousandths is 74.8643.



## Let's Try This

A. Round off the decimal to the place value of the underlined digit. Use a separate sheet to write your answer.

1. 0.653 \_\_\_\_\_

2. 0.467 \_\_\_\_\_

3. 6.8321 \_\_\_\_\_

4. 12.4623 \_\_\_\_\_

5. 2.1832 \_\_\_\_\_

6. 9.2351 \_\_\_\_\_

7. 102.328 \_\_\_\_\_

8. 57.3209 \_\_\_\_\_

9. 100.984 \_\_\_\_\_

10. 132.593 \_\_\_\_\_

B. Round off the following decimals to the nearest tenths, thousandths and ten thousandths. Use a separate sheet to write your answer.

Tenths

Thousandths

Ten thousandths

1) 23.45674

2) 109.32591

3) 18.201982

4) 905.472625

5) 435.6837865

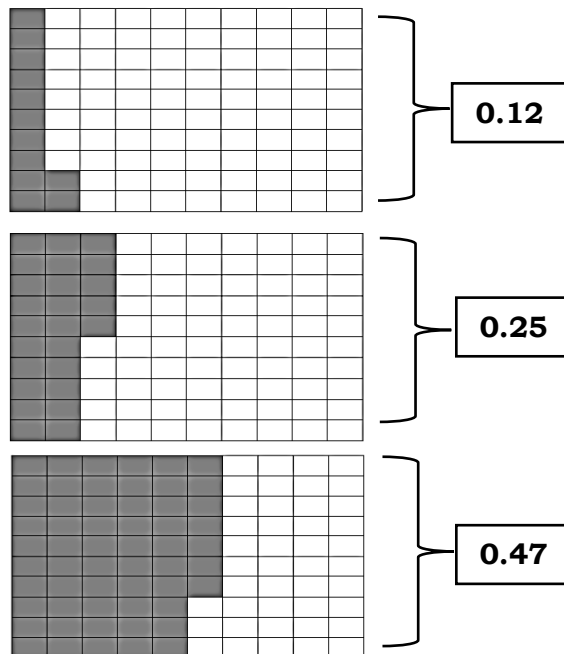
**Lesson****3****Addition and Subtraction of Decimals**

Addition and subtraction of decimals is similar to adding and subtracting whole numbers. Recall that decimals are just fractions. We add and subtract fractions by adding the whole number part and the fractional part separately, from the fractional part if necessary, to the whole number part. For decimals, arrange the decimal points in column then add and subtract.

Example:

$$\text{Add } 0.12 + 0.25 + 0.47$$

To illustrate:



Solution:

| ones | . | tenths | thousandths |
|------|---|--------|-------------|
| 0    | . | 1      | 2           |
| 0    | . | 2      | 5           |
| 0    | . | 4      | 7           |
| 0    | . | 8      | 4           |



## Let's Study and Analyze

Discussions:

Marivic used 1.3456 meter of red ribbon and 0.18 meter of white ribbon on the gift that she would give her mother. How many meters of ribbon did she use?

- How many meters of red ribbon was used? (1.3456)
- How many meters of white ribbon was used? (0.18)

|            | ones     | . | tenths   | hundredths | thousandths | ten<br>thousandths |
|------------|----------|---|----------|------------|-------------|--------------------|
| 1.3456     | 1        | . | 3        | 4          | 5           | 6                  |
| 0.18       | 0        | . | 1        | 8          |             |                    |
| <b>Sum</b> | <b>1</b> | . | <b>5</b> | <b>2</b>   | <b>5</b>    | <b>6</b>           |



## Let's Try This

A. Solve the following: Use a separate sheet to write your answer.

$$\begin{array}{r} 1) \ 3.76 \\ + 4.356 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \ 93.59 \\ - 78.45 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \ 23.347 \\ + 8.92 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \ 34.231 \\ - 12.435 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \ 37.786 \\ + 2.632 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \ 50.67 \\ - 0.7985 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \ 93.152 \\ + 29.184 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \ 109.597 \\ - 12.475 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \ 61.41 \\ + 37.532 \\ \hline \end{array}$$

$$10) (109.213 + 23.342) - 56.7889$$

B. Find the sum/difference. Use a separate sheet to write your answer.

$$1) \ 3.7 + 4.50 = \underline{\hspace{2cm}}$$

$$4) \ 7.33 - 2.98 = \underline{\hspace{2cm}}$$

$$2) \ 5.34 + 4.11 = \underline{\hspace{2cm}}$$

$$5) \ 100.23 - 55.012 = \underline{\hspace{2cm}}$$

$$3) \ 42.44 + 62.22 = \underline{\hspace{2cm}}$$

$$6) \ 123.1 - 99.0023 = \underline{\hspace{2cm}}$$



## Let's Remember And Review

Decimal mean a number that uses a decimal point followed by digits that show a value smaller than one. The value of each digit of a decimal number depends on its place or position. The decimal point separates the whole number part from the decimal part.

### **To round off decimals:**

1. Determine the place the number to be rounded to.
2. Look at the first digit to the right of that place.
3. If the digit is equal to or more than 5, round up while if the digit is less than 5, round down.
4. We may drop the zeros to the right of the rounding place.

### **Addition and Subtraction**

#### **To add decimal numbers:**

1. Put the numbers in a vertical column, aligning the decimal points.
2. Add each column of digits, starting on the right and working left.
3. If the sum of a column is more than ten, "regroup" digits to the next column on the left.
4. Place the decimal point in the answer directly below the decimal points in the terms.

#### **To subtract decimal numbers:**

1. Put the numbers in a vertical column, aligning the decimal points.
2. Subtract each column, starting on the right and working left.
3. If the digit being subtracted in a column is larger than the digit of the minuend, "regroup" a digit from the next column to the left.
4. Place the decimal point in the answer directly below the decimal points.
5. Check your answer by adding the difference to the number subtracted. The sum should be equal to the minuend.



## What Have You Learned?

Directions: Read each statement carefully. Write the letter of the correct answer.

1. Which number shows seventy-five hundredths in standard form?  
A. 7.500                      B. 7.5                      C. 0.75                      D. 0.075
2. What is seventy-five and two hundred fifty ten thousandths?  
A. 75.5200                      B. 75.2500                      C. 75.2050                      D. 75.0250
3. Find the difference:  $17.45 - 10.42$   
A. 8.03                      B. 8.04                      C. 7.03                      D. 7.04
4. Find the sum:  $17.45 - 10.42$   
A. 8.879                      B. 8.789                      C. 7.879                      D. 7.978
5. How do you write 203.346 in words?  
A. twenty-three thousand and three hundred forty-six  
B. twenty-three and three hundred forty-six thousand  
C. twenty- three and three hundred forty-six thousandths  
D. two hundred three and three hundred forty-six thousandths
6. In a long jump competition, Zoey recorded 5.85 meters while Ben had a record of 3.48 meters. How much farther did Zoey jump than Ben?  
A. 1.37 meters                      C. 3.37 meters  
B. 2.37 meters                      D. 4.37 meters
7. What is 19.3568 rounded to the nearest thousandths?  
A. 19.35                      B. 19.356                      C. 19.357                      D. 19.358
8. Find the difference between 65.63 and 49.92.  
A. 15.17                      B. 15.71                      C. 16.71                      D. 16.17
9. Josefa used 24.56 meters of red ribbon and 3.8 meters of white ribbon on the gift that she will give to her mother. How many meters of ribbon did she use?  
A. 26.38                      B. 26.83                      C. 28.36                      D. 28.63
10. When 30.19 and 23.062 are put together, the result is \_\_\_\_?  
A. 53.225                      B. 53.252                      C. 53.522                      D. 53252

11. Find the difference between 24.63 and 10.92
  - A. 13.0017
  - B. 13.017
  - C. 13.17
  - D. 13.71
12. Maria bought a bunch of flowers for Php175.25. If she gave Php 200.00, how much was her change?
  - A. Php 24.00
  - B. Php 24.25
  - C. Php 24.50
  - D. Php 24.75
13. Add 4.42 to the difference of 15 and 12.84
  - A. 5.58
  - B. 5.85
  - C. 6.58
  - D. 6.85
14. What is 15.28 more than the sum of 13.06 and 11.85?
  - A. 40.19
  - B. 40.91
  - C. 49.10
  - D. 49.01
15. In a marathon competition, Ben recorded 30.85 meters while Ted had a record of 19.16 meters. How much farther did Ben run than Ted?
  - A. 1169 meters
  - B. 116.9 meters
  - C. 11.69 meters
  - D. 0.1169 meters



## Answer Key

### Lesson 1: Decimals

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Let's See What You Already Know</b></p> <p>1. D    6. C    11. D<br/>2. C    7. B    12. C<br/>3. C    8. C    13. A<br/>4. B    9. C    14. D<br/>5. A    10. C    15. C</p>                                                                                                                                                                                                                                                                                                                       | <p><b>What Have You Learned?</b></p> <p>A.<br/>1. 0.04<br/>2. 0.17<br/>3. 0.001<br/>4. 50.62<br/>5. 14.304<br/>6. 410.0002<br/>7. thirty-three and twenty thousandths<br/>8. ninety-four and thirty-six ten thousandths<br/>9. one hundred fifty-two and seven hundred<br/>10. four hundred eight thousandths<br/>11. three tens<br/>12. one thousand<br/>13. eighty-nine and seventy-five hundredths<br/>14. thirteen and fourteen thousandths<br/>15. sixty-nine and eight hundred thirty-two thousandths<br/>16. eight and five hundred one hundred<br/>17. thirty-eight and two hundred fifty-nine thousandths<br/>18. six and three thousand five hundred ten thousandths<br/>19. nine and five thousand twenty-three ten thousandths<br/>20. eight and four hundred ninety-nine thousandths</p>                                                                                                                                                                                                                                                                                |
| <p><b>Let's Do This</b></p> <p>1. three tens<br/>2. one thousand<br/>3. eighty-nine and seventy-five hundredths<br/>4. thirteen and fourteen thousandths<br/>5. sixty-nine and eight hundred thirty-two thousandths<br/>6. eight and five hundred one hundred<br/>7. thirty-eight and two hundred fifty-nine thousandths<br/>8. six and three thousand five hundred ten thousandths<br/>9. nine and five thousand twenty-three ten thousandths<br/>10. eight and four hundred ninety-nine thousandths</p> | <p><b>Let's See What You Have Learned</b></p> <p>A.<br/>1. twelve and thirty-four hundredths<br/>2. seven and eighty-nine thousandths<br/>3. twelve and ninety-three hundredths<br/>4. one hundred twenty-three and four hundredths<br/>5. two hundred thirty-four and eighty-nine hundredths<br/>6. 4.8<br/>7. 0.8<br/>8. 0.47<br/>9. 0.12<br/>10. 0.03<br/>11. 50.62<br/>12. 14.304<br/>13. 410.0002<br/>14. thirty-three and twenty thousandths<br/>15. ninety-four and thirty-six ten thousandths<br/>16. one hundred fifty-two and seven hundred<br/>17. four hundred eight thousandths<br/>18. three tens<br/>19. one thousand<br/>20. eighty-nine and seventy-five hundredths<br/>21. thirteen and fourteen thousandths<br/>22. sixty-nine and eight hundred thirty-two thousandths<br/>23. eight and five hundred one hundred<br/>24. thirty-eight and two hundred fifty-nine thousandths<br/>25. six and three thousand five hundred ten thousandths<br/>26. nine and five thousand twenty-three ten thousandths<br/>27. eight and four hundred ninety-nine thousandths</p> |

### Lesson 2: Rounding Off Decimals

|                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                               |
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| <p><b>Let's Try This</b></p> <p>A.<br/>1) 0.65<br/>2) 0.5<br/>3) 6.83<br/>4) 12.462<br/>5) 2.183<br/>6) 9<br/>7) 102.3<br/>8) 57.321<br/>9) 101<br/>10) 133</p> <p>B.<br/>1) 23.45674<br/>2) 109.32591<br/>3) 18.201982<br/>4) 905.472625<br/>5) 435.6837865<br/>6) 435.7<br/>7) 905.5<br/>8) 905.47<br/>9) 435.68<br/>10) 435.683787</p> <p>Tenths    Thousandths    Ten thousandths</p> | <p><b>Let's Do This</b></p> <p>a. 0.7<br/>b. 0.957<br/>c. 10.23<br/>d. 73.683<br/>e. 25.2</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|

### Lesson 3: Addition and Subtraction of Decimals

|                                                                                                                                                                                           |                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>B.</b></p> <p>1) 8.2<br/>2) 9.45<br/>3) 104.66<br/>4) 4.35<br/>5) 45.218<br/>6) 57.0977</p>                                                                                         | <p><b>Let's Try This</b></p> <p>1) 8.116<br/>2) 32.267<br/>3) 40.418<br/>4) 63.968<br/>5) 23.878</p> <p>6) 15.14<br/>7) 47.4645<br/>8) 49.8715<br/>9) 142.857<br/>10) 75.766</p> |
| <p><b>What You Have Learned</b></p> <p>1. C<br/>2. D<br/>3. C<br/>4. C<br/>5. D</p> <p>6. B<br/>7. C<br/>8. B<br/>9. C<br/>10. B</p> <p>11. D<br/>12. D<br/>13. C<br/>14. A<br/>15. C</p> |                                                                                                                                                                                  |

## **Glossary**

**Addition of Decimals** - is the process of adding decimal numbers, which are numbers with a decimal point.

**Decimals** – is often used to mean a number that uses a decimal point followed by digits that show a value smaller than one.

**Difference** - The result of subtracting one number from another.

**Place Value** – The value of where a digit is in the number.

**Rounding off decimals** – Rounding means making a number simpler but keeping its value close to what it was.

**Subtraction of Decimals** - Subtracting decimals means finding the difference between decimal numbers and other numbers.

**Sum** – The result of adding two or more numbers.

**Value** - Value in mathematics means a number, or the result of a calculation.

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Lesson Plan for Mathematics 3 & 4

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