

MATH ESSENTIALS UNIT 7

Decimals

Name _____ Date _____

PURPOSE

Learn to do problems with addition, subtraction, multiplication and division of decimals.

HOW TO DO THIS COURSE: Do the steps in order. Initial and date each when done. Where there are two sign-off lines, get the step checked and initialed on the second line by another student, or if stated, by the instructor.

ESTIMATED TIME: 15 hours

BOOKS:

Math Essentials, Finding & Filling the Gaps or *Math Essentials Unit 7 Decimals*, Heron Books
Math Essentials, Exercise Answers, Heron Books

A. GETTING STARTED

1. READ: *Math Essentials, Unit 7 Decimals*, Establishing a Routine. _____
2. ACTIVITY: Do Review Exercise. **Instructor pass.** _____

B. BASICS OF DECIMALS

1. READ: Chapter Writing Fractions Using the Place Value System up to Exercise 1. _____
2. ACTIVITY: Do Exercise 1. 36 problems missed
If you missed any problems, or if you need or want more practice, do Additional Exercises.
Additional Exercises. 51 problems missed _____
3. READ: Chapter Thousandths and Ten-Thousandths up to Exercise 2. _____

4. ACTIVITY: Do Exercise 2. 40 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.

Additional Exercises. 55 problems missed

Instructor pass.

C. ADDING AND SUBTRACTING DECIMALS

1. READ: Chapter Adding and Subtracting Decimals up to Exercise 3.

2. ACTIVITY: Do Exercise 3. 21 problems missed

If you missed any problems, or if you need or want more practice,
do Additional Exercises.

Additional Exercises. 32 problems missed

Instructor pass.

D. MULTIPLYING DECIMALS

1. READ: Chapter Multiplying Decimals up to Exercise 4.

2. ACTIVITY: Do Exercise 4. 14 problems missed

If you missed any problems, or if you need or want more practice,
do Additional Exercises.

Additional Exercises. 19 problems missed

Instructor pass.

E. DIVIDING DECIMALS

1. READ: Chapter Multiplying or Dividing Decimals by 10, 100, 1,000
and So On up to Exercise 5

2. ACTIVITY: Do Exercise 5. 28 problems missed

If you missed any problems, or if you need or want more practice,
do Additional Exercises.

Additional Exercises. 30 problems missed

Instructor pass.

3. READ: Chapter Dividing Decimals, section “Dividing a Decimal by a Whole Number.” _____
4. ACTIVITY: Do Exercise Dividing a Decimal by a Whole Number. _____
5. READ: section “Dividing a Whole Number.” _____
6. ACTIVITY: Do Exercise Dividing a Whole Number. _____
7. READ: section “Dividing a Decimal by a Decimal.” _____
8. ACTIVITY: Do Exercise Dividing a Decimal by a Decimal. _____
9. ACTIVITY: Do Exercise 6. 12 problems missed
 If you missed any problems, or if you need or want more practice,
 do Additional Exercises.
 Additional Exercises. 17 problems missed
- Instructor pass.** _____
10. READ: Chapter Rounding Decimals up to Exercise 7. _____
11. ACTIVITY: Do Exercise 7. 16 problems missed
 If you missed any problems, or if you need or want more practice,
 do Additional Exercises.
 Additional Exercises. 19 problems missed _____

F. MORE ABOUT FRACTIONS AND DECIMALS

1. READ: Chapter Changing Decimals and Fractions up to Exercise 8. _____
2. ACTIVITY: Do Exercise 8. 10 problems missed
 If you missed any problems, or if you need or want more practice,
 do Additional Exercises.
 Additional Exercises. 15 problems missed _____
3. READ: Chapter Repeating Decimals up to Exercise 9. _____

4. ACTIVITY: Do Exercise 9. 8 problems missed

If you missed any problems, or if you need or want more practice,
do Additional Exercises.

Additional Exercises. 10 problems missed

Instructor pass. _____

G. FINAL ACTIVITY

1. ACTIVITY: Do Final Unit Exercises. 25 problems missed

Instructor pass. _____

I have completed the steps of this course. I understand what I studied and can use it.

Student _____ Date _____

The student has completed the steps of this course and knows and can apply what was studied.

Instructor _____ Date _____

The student has passed the exam for this course.

Examiner _____ Date _____

FOR FACULTY

NOTE

Math Essentials, Instructor Manual includes a full list of program materials, where to get them and how to use them.

ADDITIONAL RESOURCES

Exam and answers