

MATH ESSENTIALS UNIT 5

Fractions: Multiplying & Dividing

Name _____ Date _____

PURPOSE

Learn to do problems involving multiplying and dividing fractions and mixed numbers.

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: 12 hours

BOOKS:

Math Essentials, Finding & Filling the Gaps or *Math Essentials Unit 5 Fractions: Multiplying & Dividing*, Heron Books
Math Essentials, Exercise Answers, Heron Books

A. GETTING STARTED

1. READ: *Math Essentials, Unit 5 Fractions: Multiplying & Dividing*, Establishing a Routine. _____
2. ACTIVITY: Do Review Exercise. **Instructor pass.** _____

B. MULTIPLYING FRACTIONS AND MIXED NUMBERS

1. READ: Chapter Finding a Fraction up to Exercise 1. _____
2. ACTIVITY: Do Exercise 1. 17 problems missed
If you missed any problems, or if you need or want more practice, do Additional Exercises.
Additional Exercises. 20 problems missed _____
3. READ: Chapter Multiplying Mixed Numbers up to Exercise 2. _____

4. ACTIVITY: Do Exercise 2. 15 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.

Additional Exercises. 20 problems missed

Instructor pass. _____

C. DIVIDING FRACTIONS AND MIXED NUMBERS

1. READ: Chapter Dividing by a Fraction up to Exercise 3. _____

2. ACTIVITY: Do Exercise 3. 20 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.

Additional Exercises. 21 problems missed _____

3. READ: Chapter More About Dividing by Fractions up to Exercise 4. _____

4. ACTIVITY:

- a) Draw a picture to solve the following problem:

A ribbon is $6\frac{1}{2}$ feet long.

How many $1\frac{1}{4}$ -foot-long pieces can be cut from the $6\frac{1}{2}$ feet?

How much ribbon will be left over?

- b) Now show how you would solve the same problem using math.

Instructor pass. _____

5. ACTIVITY: Do Exercise 4. 15 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. _____

D. FINAL ACTIVITY

1. ACTIVITY: Do Final Unit Exercises. 5 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