

MATH ESSENTIALS UNIT 10

Positive and Negative Numbers

Name _____ Date _____

PURPOSE

Learn to add, subtract, multiply and divide positive and negative numbers rapidly.

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 10 Positive and Negative Numbers*, Heron Books
Math Essentials, Exercise Answers, Heron Books

A. GETTING STARTED

1. READ: *Math Essentials, Unit 10 Positive and Negative Numbers*, Establishing a Routine. _____
2. ACTIVITY: Do Review Exercise. **Instructor pass.** _____

B. INTRODUCTION TO POSITIVE AND NEGATIVE NUMBERS

1. READ: Chapter Introduction to Positive and Negative Numbers up to Exercise 1. _____
2. ACTIVITY: Do Exercise 1. 13 problems missed
If you missed any problems, or if you need or want more practice, do Additional Exercises.
Additional Exercises. 18 problems missed _____

C. ADDING INTEGERS

1. READ: Chapter Adding Positive Integers up to Exercise 2. _____
2. ACTIVITY: Do Exercise 2. 10 problems missed
If you need or want more practice, do Additional Exercises.
Additional Exercises. 14 problems missed _____
3. ACTIVITY: Do Exercise 3 Parts A and B.
Part A. _____
Part B. _____
4. READ: Chapter Adding Negative Integers up to Exercise 4. _____
5. ACTIVITY: Do Exercise 4.
If you need or want more practice, do Additional Exercises.
Additional Exercises. _____
6. ACTIVITY: Do Exercise 5 Parts A and B.
Part A. _____
Part B. _____

D. SUBTRACTING INTEGERS

1. READ: Chapter Subtracting Positive Integers up to Exercise 6. _____
2. ACTIVITY: Do Exercise 6.
If you need or want more practice, do Additional Exercises.
Additional Exercises. _____
3. ACTIVITY: Do Exercise 7 Parts A and B.
Part A. _____
Part B. _____
4. READ: Chapter Subtracting Negative Integers up to Exercise 8. _____

5. ACTIVITY: Do Exercise 8.

If you need or want more practice, do Additional Exercises.

Additional Exercises.

6. READ: Chapter More About Adding and Subtracting Integers up to Exercise 9.

7. ACTIVITY: Do Exercise 9.

If you need or want more practice, do Additional Exercises.

Additional Exercises.

8. ACTIVITY: Do Exercise 10 Parts A and B.

Part A.

Part B.

E. MULTIPLYING INTEGERS

1. READ: Chapter Multiplying Positive and Negative Integers up to Exercise 11.

2. ACTIVITY: Do Exercise 11.

If you need or want more practice, do Additional Exercises.

Additional Exercises.

3. ACTIVITY: Do Exercise 12 Parts A and B.

Part A.

Part B

F. DIVIDING INTEGERS

1. READ: Chapter Dividing Positive and Negative Integers up to Exercise 13.

2. ACTIVITY: Do Exercise 13.

If you need or want more practice, do Additional Exercises.

Additional Exercises.

G. FINAL ACTIVITY

1. ACTIVITY: Do Final Unit Exercises.

Part A. _____

Part B. **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