

MATH ESSENTIALS UNIT 13

Simple Geometry

Name _____ Date _____

PURPOSE

Learn about simple geometry and how to use it.

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 13 Simple Geometry*, Heron Books
Math Essentials, Exercise Answers, Heron Books

A. GETTING STARTED

1. READ: *Math Essentials, Unit 13 Simple Geometry*, Establishing a Routine. _____
2. ACTIVITY: Do Review Exercise. **Instructor pass.** _____

B. LINES AND FLAT SHAPES

1. READ: Chapter Lines and Angles up to Exercise 1. _____
2. ACTIVITY: Do Exercise 1. 12 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.
Additional Exercises. 19 problems missed _____
3. READ: Chapter Flat Shapes up to Exercise 2. _____
4. ACTIVITY: Do Exercise 2. 10 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.
Additional Exercises. 10 problems missed _____

5. READ: Chapter Circles up to Exercise 3. _____
6. ACTIVITY: Do Exercise 3. 8 problems missed
 If you missed any problems, or if you need or want more practice,
 do Additional Exercises.
 Additional Exercises. 9 problems missed _____
7. READ: Chapter Flat Shapes—Plane Geometry up to Exercise 4.
 Do the activities in the chapter as you read. _____
8. ACTIVITY: Do Exercise 4. 8 problems missed
 If you missed any problems, or if you need or want more practice,
 do Additional Exercises.
 Additional Exercises. 10 problems missed _____
9. READ: Chapter Special Lines up to Exercise 5. _____
10. ACTIVITY: Do Exercise 5. 2 problems missed
 If you missed any problems, or if you need or want more practice,
 do Additional Exercises.
 Additional Exercises. 2 problems missed _____
- Instructor pass.** _____

C. EXPONENTS

1. READ: Chapter Definition of Exponent up to Exercise 6. _____
2. ACTIVITY: Do Exercise 6. 22 problems missed
 If you missed any problems, or if you need or want more practice,
 do Additional Exercises.
 Additional Exercises. 26 problems missed _____
- Instructor pass.** _____

D. AREA

1. READ: Chapter Area up to Exercise 7. _____
2. ACTIVITY: Do Exercise 7. 6 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.
Additional Exercises. 7 problems missed _____
3. READ: Chapter Area of a Triangle up to Exercise 8. _____
4. ACTIVITY: Do Exercise 8. 6 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.
Additional Exercises. 7 problems missed _____
5. READ: Chapter Areas of Other Shapes up to Exercise 9. _____
6. 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 _____

E. THREE-DIMENSIONAL SHAPES

1. READ: Chapter Surface Area up to Exercise 10. _____
 2. ACTIVITY: Do Exercise 10. 6 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.
Additional Exercises. 6 problems missed _____
 3. READ: Chapter Calculating Volume up to Exercise 11. _____
 4. ACTIVITY: Do Exercise 11. 8 problems missed
If you missed any problems, or if you need or want more practice,
do Additional Exercises.
Additional Exercises. 8 problems missed _____
- Instructor pass.** _____

F. SQUARE ROOTS AND RIGHT TRIANGLES

1. READ: Chapter Square Roots up to Exercise 12. Do the activities in the chapter as you come to them. _____

2. ACTIVITY: Do Exercise 12. 12 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 Right Triangles up to Exercise 13. _____

4. ACTIVITY: Do Exercise 13. 6 problems missed

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

Additional Exercises. 7 problems missed

Instructor pass. _____

G. FINAL ACTIVITY

1. ACTIVITY: Do Final Unit Exercises. 13 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