
Exam 2 Guidelines

- You should study your assigned homework, the examples in our textbook and the class activities we have done for Sections 3.1, 3.2, 3.3, and 3.4.
- There will be some combination of short problem solving questions, multiple choice questions and true/false questions.
- You may use your calculator and your personal manipulative kit during the exam.
- You may **not** use a cell phone or any other electronic device during the exam.
- You may use one 3 x 5 note card of notes.

Concepts to Know

Chapter 3 Review Topics, page 167

- 1 $a - f$ and 2
- 3
 - Including converting base number collections to the total number of units or converting base number collections to the minimal collection
 - Including sketching and explaining addition and subtraction with base number pieces and connecting this work to the standard paper and pencil algorithm
- 4
 - Including writing story problems for each of the three subtraction settings
 - The three division models: Sharing (partitive), Measurement (subtractive) and Array. For each division model you should be able to:
 - * Sketch, label and explain base 10 pieces modeling the division setting
 - * Group objects to show the division setting (sharing and measurement only)
 - * Write a simple story problem that illustrates the division setting (sharing and measurement only)
- 5 and 6ab
 - Including modeling multiplication with rectangular arrays and connecting this work to the standard paper and pencil algorithm and partial products
- 7
 - Including explaining whether or not a given set under a given operation is closed or not closed and why
 - Including explaining whether or not a given set under a given operation has a property such as commutative, associative, etc. and why
- 8 and 11

Some Review Problems

Practice problems: Chapter Three Test, page 169 # 2-6, 10-13, 15, 16

Your exam will cover all assigned homework and class activities! Just studying the Chapter Test questions will not be a sufficient review for Exam Two!