Week 2 Math Homework

This table is a partial list of math problems in the book, categorized by subject matter, format, difficulty level, and topic.

This week's problems come in two types:

1. Quantitative comparison questions that can be solved by plugging in, algebraic steps, analyzing advantages, or other simple techniques.
2. Problems that require no special math knowledge – just careful reading!

Untimed problems

Do these problems with your notes in front of you, and don't worry about time at all.
(Difficulty levels are my own assessment)

Page	#	Subject	Format	Difficulty	Topic
115	2	Alg	QC	E	Translating
117	5	Alg	QC	M	Evaluating
118	6	Alg	QC	M	Evaluating / solving
119	8	Alg	QC	H	Evaluating / factoring
120	9	Alg	QC	E	Solving inequality
122	2	Arith	MC1	E	Integers / number line
126	2	Arith	MC1+	E	Common multiples
129	1	Arith	NE	E	Modeling / calculating
232	3	Arith	NE	M	Divisibility

Learn

Revisit the problems you got wrong, and make sure you understand them.
Memorize the meanings of the four Quantitative Comparison answers (A, B, C, D)
Memorize the three types of QC strategy.

Timed exercises set 1

You will do these problems at a "slow" (50%) pace, average 3.5 minutes / problem.
Set your timer to 24:30 minutes.
Spend max. 2 minutes on a problem if you are making no progress.
Spend max. 5 minutes on a problem even if you are making progress.
If you end up with time left over, revisit problems where you might be able to make progress.

Page	#	Subject	Format	Difficulty	Topic
156	4	Alg	QC	E	Symmetry or evaluating
156	5	Arith	QC	E	Integers / evaluating
157	8	Arith	MC1	E	Calculation / reading
158	10	Arith	MC1	E	Reading / calculation
161	5	Alg	QC	M	Translating / Expressions
166	3	Alg	QC	H	Exponents
172	4	Data	MC1+	E	Graph

Scoring

Complete the following worksheet:

Take the number of questions you got right, multiply by 10, and divide by 7: _____

Add 2.5 and round to the nearest whole number: _____

Multiply by. Final score = _____ %

Now go to the percent-to-GRE-scale conversion chart provided in your HW.

Learning

Now go back to revisit the problems you missed. Go over them slowly and make sure you understand them.

Timed exercises set # 2

You will do these problems at a "Medium" (75%) pace, average 2.3 minutes / question
Set your timer to 21 minutes.
Spend max. 2 minutes on a problem if you are making no progress.
Spend max. 3 minutes on a problem even if you are making progress.
If you end up with time left over, revisit problems where you might be able to make progress.

Page	#	Subject	Format	Difficulty	Topic
358	17*	Data	MC1	E	Graph
358	18*	Data	NE	E	Graph
358	19*	Data	MC1	M	Graph
362	2	Arith	QC	E	Decimals
364	10	Arith	MC1	E	Calculation
365	12	Alg	MC	M	Linear equation / fractions / decimals
366	17	Data	MC1	E	Graphs
367	18	Data	MC1	M	Graphs
367	19	Data	MC1	M	Graphs

Scoring

Complete the following worksheet:

Take the number of questions you got right, multiply by 5, and divide by 3: _____

Add 1.25 and round to the nearest whole number: _____

This is how many questions you would get right in a set of 20.

Learning

Now go back to revisit the problems you missed. Go over them slowly and make sure you understand them.

Which pace worked better for you? Slow or medium?

* I have posted video solutions to these problems at the GRE Math Test Simulacra Playlist.