

**Permission for Student Participation in CWE Math Masters and
Acknowledgement of Responsibility**

My signature below indicates that I give my child, _____,
permission to participate in *CWE Math Masters*, an after-school contest math enrichment
program at Commonwealth Elementary School, and that I authorize any needed emergency
medical treatment. I also acknowledge that Fort Bend Independent School District, its
volunteers, and other participants in *CWE Math Masters* have immunity from any liability.

In case of emergency, contact:

Name Phone Relationship to Participant

Name Phone Relationship to Participant

Please list any allergies/medical problems, including those requiring maintenance medication
(e.g., diabetic, asthma, seizure disorder):

Please list current medications (over the counter or prescribed) taken:

Please list any physical limitations (temporary or permanent):

Family Physician: _____ Phone: _____

Insurance Company: _____ Phone: _____

Policy Number: _____

Parent/Guardian Signature

Parent/Guardian Printed Name

Date

Parent/Guardian Preferred Telephone #

Mathematics Competitions



AMC 8 is a competition for students in grades 8 and below, administered annually by the American Mathematics Competitions. The contest is a 40 minute, twenty-five question, multiple-choice exam. Calculators are not allowed. *CWE Math Masters* does not compete in the AMC 8; however, math masters work AMC 8 problems to test their mastery of the topics covered in our club. This experience helps to acquaint students with the AMC 8 so they are better prepared to compete in the AMC 8 next year.

Math Olympiads consist of a series of contests administered monthly from November through March in which math masters attempt to work problems that require careful mathematical thinking. Each contest has five problems, and students earn 1 point for each correct answer. Thus, a student may score up to 25 points per school year. Each problem has a time limit. Calculators are not allowed.

Math League's 5th grade contest is a 30 minute, thirty question, multiple-choice exam. This contest is an intraschool contest. Calculators are allowed.

Math League's 6th grade contest is a 30 minute, forty question, multiple-choice interschool competition. Calculators are allowed.

TMSCA (Texas Math and Science Coaches Association) tournaments are interschool competitions that take place on Saturdays. *CWE Math Masters* competes in the elementary level division at three tournaments in the Houston area: The Village School, Doerre Intermediate School, and First Colony Middle School. These competitions offer four areas of study in which math masters may compete:

- ❖ **Number Sense** - students have 10 minutes to write only answers to 80 questions. This is a mental math test in which answers must be written using a ballpoint pen.
- ❖ **Calculator Applications** - students have 30 minutes to finish 80 problems. Many of the answers must be written in scientific notation.
- ❖ **General Math** - students have 40 minutes to finish 50 multiple choice questions. They can work out the problems, but only answers are written on the answer sheet.
- ❖ **General Science** - students have 40 minutes to work 50 multiple choice questions about various science topics. Answers must be written on an answer sheet.

Mathematical Battle is a fun "competition" in which two teams of math masters compete to solve the most problems. Further, a jury votes on the accuracy, completeness, and efficiency of the solutions. Calculators are not allowed.

Program Plan

Month	Focus	Materials	Homework
September	Administrative	Distribute Binders	Text - Chapter 1
	Number Sense	Timed Targeted Test	Review Mental Math Rules
		Clever Mental Math Rules Pages 2 & 3	Review Mental Math Rules Complete Drills #s 1 - 3
	Math League	Team Challenge	Math League Contests
	Calculator	Text - Significant Digits	Significant Digits Supplement
Check HP335 Calculators		Keystroke Pages 19 - 23	
October	Number Sense	Text - Extraneous Zeroes	Text - Practice Page #10
		Benchmark Test	Study Using Study Guide
		Clever Mental Math Rules Page 4	Review Mental Math Rules Complete Drills #s 4 - 6
	Math League	Open Forum/ Group Discussion	Math League Contests
	Calculator	Text - Scientific Notation	Review Lesson
		Check HP335 Calculators	Keystroke Pages 26 - 28
	Primary	Text - Divisibility Rules	Review Lesson
Cracker Activity		Text - Chapter 1	
Text - Prime Numbers		AMC 8 Problems	
November	Number Sense	Clever Mental Math Rules Page 5	Review Mental Math Rules Complete Drills #s 7 - 9
		Math League	Math League Contests
	Geometry	Circles Packet	Complete Worksheets
	Calculator	Calculator Contest Lesson	Keystroke Pages 32 - 35
	Primary	Pascal's Triangle Worksheet	Text - Chapter 3
December	Number Sense	Timed Test	Study Using Study Guide
		Clever Mental Math Rules Page 6	Review Mental Math Rules Complete Drills #s 10 - 12
		Math League	Math League Contests
	Geometry	Triangles Packet	Complete Worksheets
	Calculator	Timed Test	Calculator Test
	Primary	Cheerio Activity	Text - Chapter 3
		Text - Number Sequences	AMC 8 Problems



Math Masters, start thinking about in which TMSCA contest areas you wish to compete. The TMSCA meet registration form will be e-mailed to all CWE Math Masters' parents in January.

Program Plan

Month	Focus	Materials	Homework
January 	Number Sense	Clever Mental Math Rules Page 7 Timed Test	Study Mental Math Rules Complete Drills #s 13 - 15 Study Using Study Guide
	Math League	Open Forum/ Group Discussion Timed Test - Grade 6	Math League Contests Review All 6 th Grade Tests
	Calculator	Writing Answers Efficiently Keystroke Pages 29 - 30 Timed Test	Review Sup. Practice #25 Keystroke Pages 32 - 35 Calculator Test
	February	Math League	OFFICIAL 6th GRADE CONTEST
February 	Number Sense	Clever Mental Math Rules Page 8	Study Mental Math Rules Complete Drills #s 16 - 18
	Primary	Text - Roman Numerals	Text - Chapter 4
	Calculator	Geometric Drawing Problems	Keystroke Pages 43 - 47
	----- TMSCA Practice Session -----		
	Number Sense	Timed Test	Number Sense Test
	Calculator	Timed Test	Calculator Test
	Mathematics	Timed Test	Mathematics Test
	Science	Timed Test	Science Test
March 	Number Sense	Clever Mental Math Rules Page 9	Study Mental Math Rules Complete Drills #s 19 - 21
	Primary	Text - Base Number Systems	Number Sense Test
	Calculator	Calculator Contest Lesson	Keystroke Pages 43 - 47
	Math League	Open Forum/ Group Discussion Timed Test - Grade 5	Review 5 th Grade Contests Math League Contest
April	Math League	OFFICIAL 5th GRADE CONTEST	
	Primary	Guest Speaker(s) Text - Combinations	Complete Posters AMC 8 Problems
May	Number Sense	Benchmark Test	Study Using Study Guide
	Primary	MATHEMATICAL BATTLE	Over the summer break ...
	Celebration	Awards Assembly Cake, Fruit, Pizza, & Drinks	Text Chapter 2 - Fractions/ Decimals/Percents/ Ratios/Proportions
	Administrative	Survey	



If you are taking the contest mathematics elective in middle school, you should also memorize the perfect squares from $1^2 - 40^2$ and the perfect cubes from $1^3 - 20^3$.