

MATH FESTIVAL FAQ'S

What is a Math Festival?

A CMC Math Festival is a special event that demonstrates to students how important Mathematics is, and that it's not something to fear but a subject that EVERYONE can enjoy, marvel at, and be successful. A Math Festival is made up of 12 to 18 "math stations" where students of all abilities and grades, K-8, can actively participate in different hands-on mathematics activities and practice their math skills at the same time. Each Math Festival station is hands-on; there's everything from blocks and beans to laptop computers that students use in solving problems. Each Math Festival station is different, and each touches upon a different key mathematics concept. For example, students make function patterns out of cubes at one station, while at another they solve simultaneous equations with beans in the Algebra Math Festival.

Students working with a partner choose a station to visit and work at that activity as long as they wish, working harder and harder problems. When they are ready, they move to another station and do a completely different activity. Each station has challenging tasks of different levels of difficulty, some very easy for young primary students, and some hard enough to challenge adults!

The students walk away from their time at the Math Festival thinking that math is fun, interesting, AND that they CAN DO IT. Their teachers can build on that enthusiasm by using the Math Festival Curriculum activities with students after the Festival in their own classrooms. A CMC Math Festival does an excellent job of getting students excited about this very important subject, and helps them see the value of mathematics in their lives.

Is this a new program?

The Math Festival Program sprang from an Eisenhower federally funded project at the University of California at Berkeley called the Accentuate Mathematics! Project. Paul Giganti, the CMC Math Festival Program Coordinator, was the Director of that project. The project was designed to bring math to the forefront in the minds of students, teachers, and families, in urban and rural schools. In the last few years the California Mathematics Council has hosted over 150 Math Festivals all over California and beyond; as far north as Alaska in Native American villages, and as far south as urban schools in San

Diego, all with equal success. Because the three Math Festival Programs have been fully developed, tested, and refined over time, and in all types of schools, all Math Festival stations are composed of highly successful math activities using child tested materials, and can be replicated in your classrooms. CMC's detailed planning and logistical support for every Math Festival program guarantees a successful Festival program in ANY school, public or private schools, for any grades K through 8. CMC can host a successful Math Festival in your school

Is there more than one CMC Math Festival?

Yes. Currently the California Mathematics Council is offering three Math Festival programs: Algebra, Geometry, and Number. Each of the three Festivals consists of 15 to 20 Festival stations that are completely different from the other Festivals. Each Math Festival focuses on the K-8 concepts and Standards from that topic's strand of mathematics. A school could host each of the three Math Festivals, one at a time, and each will be a different math experience for students. Your school chooses the Math Festival topic of your choice, and that Festival topic is the focus for your Math Festival day. However, many schools have hosted ALL THREE Math Festivals at their school in the same or consecutive years.

What California Mathematics Standards are addressed in the Festivals?

Each of the three Math Festivals were developed under a state and federal grant. Therefore, great attention was paid to addressing the California Curriculum Standards of the three strands of mathematics: Algebra, Geometry, and Number. Activities were chosen based upon how many different Standards could be addressed in a Math Festival day. While it's impossible to address all the K-8th grade Standards in one day, most of the key Standards are addressed. Well over 100 of the California Mathematics Standards are addressed in a CMC Math Festival, a quantity too large to easily list.

Which Math Festival Topic is best for our students?

Each of the Math Festivals has its own appeal to meet the needs of specific schools. All three Festivals, Algebra, Geometry, and Number, are very hands-on and interactive, and all three have different stations with almost no overlap.

Schools choose the Algebra Festival if they feel they want to focus on this now all-important subject. It can help teachers, parents, and students see that algebra is many things, perhaps much more than they remember from high school, and not a subject to be feared and avoided. And yet at the same time, the Algebra Math Festival demonstrates the EVERYONE can have success in algebra.

Schools often choose Geometry because they feel that the subject has gotten decreased attention in their math curriculum. Geometry also has the broadest appeal to students of all grades, Kindergarten through 8th. It is a highly interactive Festival with lots of geometric manipulatives for the students to explore, problems to solve, and spatial skills to practice.

Schools choose Number when they want to give their students a bit of a boost in their number sense. This Math Festival gives students an opportunity to see number in a different and more positive light than it is often portrayed in the textbook or on tests. The Number stations, including several measurement activities, give students a view of number and number sense through the stimulating use of hands-on materials and problem solving. The Number Festival will reinforce students' classroom and textbook experience!

How many students can you accommodate in one day?

We can accommodate schools with K–8 student populations as large as 900 in a normal six hour school day. However, the number of students we can accommodate in your Math Festival program is dependent on your facility. There will be a maximum of six Math Festival sessions during your school day, and with a large enough facility, we can accommodate a maximum of 150 students per Math Festival session. While 900 students in one day is possible, it is a rush; 600 to 750 is quite comfortable for most school's facilities.

To meet the needs of large schools with student bodies greater than 900 students, we can schedule a multi-day Math Festival on consecutive days. Our staff, together with a teacher-leader at your school, will set up a schedule that takes several classes of K-8 students through the Math Festival in each session. (Yes, we like the grades mixed.)

What kind of space is required to host a student and/or Family Mathematics Festival?

A Math Festival is held in a school gym, multiuse room, or school cafeteria. Libraries and classrooms are too small to house a Math Festival, and it cannot be held outside. The Math Festival requires the exclusive use of this whole facility for the entire day, including before school, lunchtime, after school, and into the evening (if your school also hosts a Family Mathematics Festival that same evening). Nothing else can happen as usual in the cafeteria (or gym) that day—the Festival stations must remain up all day since they can't be easily or quickly taken down and set up again.

If we are using your school cafeteria on your Math Festival day, students must have lunch in a different location that day. However we can accommodate an isle through the cafeteria where students enter and exit to be served lunch at their regular time. If your school has a breakfast program, the Math Festival can officially begin AFTER your students finish breakfast and a quick cleanup. Your Math Festival presenter can usually set up the Festival's materials prior to or during breakfast, and be ready for the first student Math Festival session soon after. Your first Math Festival session need not start at the very beginning of your school day.

If your cafeteria has approximately 12 to 16 double-double tables (as most cafeterias have), and sufficient room for students to move about, then accommodating 100 to 150 students per session in 6 sessions throughout the day is usually no problem. Each double-double fold-down table will accommodate ONE Math Festival station.

If your Math Festival will be held in a gym or multi-use room, then 6 foot by 4 foot folding tables can be used. TWO 6 foot by 4 foot folding tables placed end to end provide sufficient space for ONE Math Festival station and up to 12 students. For example, to have twelve Math Festival stations you would need twenty-four (24) 6 foot by 4 foot folding tables.

How will our school day be impacted?

The students in your school will visit the Math Festival in groups of 80 to 150 per session, several classes at a time. Up to six Math Festival sessions can be scheduled in a regular school day. This is how a Math Festival can accommodate up to 900 students in one day. Students are only out of class for approximately 50 to 60 minutes for their own session, so their whole school day is not impacted. Since teachers must attend along with their students for their scheduled Math Festival

session, there is no need for teachers to be released for the day (see below). Teachers must organize their students in working pairs BEFORE coming to the Festival, show up for their session on time, and MUST attend their whole session along with their students. Other than that, teachers have no other obligations and there is no special preparation the teachers must do before the Math Festival day.

Must anyone from my school be released from her duties that day?

Math Festival programs also require a lead teacher or administrator to be present and officially in charge. This is required by California law. ONE teacher-leader must be released by your school for this purpose for the entire Math Festival day. It is the school's responsibility to fund that teacher-leader's release for the day since he or she must work alongside the Math Festival presenter all day. We prefer that the person who has arranged your school's Math Festival schedule and logistics beforehand be the same person who assists that day. Though our presenter does most of the work, this person's release for the day is VERY important to the success of a Festival because he or she knows your teachers and the daily operation of your site. It is not advisable that the released person be the principal or vice principal as they are frequently pulled away on pressing school business. Together, along with parent volunteers, your released teacher and the CMC Math Festival presenter can easily run your Math Festival program.

How have schools been funding the event?

Schools that have Title I funding can use part of their funds earmarked for math staff development and parent outreach. You can include a CMC Mathematics Festival Program in your Single School Plan or Title I Improvement Plan for the year. Since it's an all school event, some schools have gone to their PTAs or Site Councils for funding. Still other schools have gotten corporate partners to fund their Math Festival. Math Festivals for students, teachers, and families are a nice concise, yet highly visible way for local business and industry to invest in a school.

How independent are the math centers? Must teachers teach certain concepts prior to the Math Festival?

After a brief orientation, each student-partner pair work at station tables of their choice. All Math Festival stations are self-explanatory and multi-graded. Parent volunteers at each station activity answer

questions and give assistance when needed. The tasks at any given table range from Kindergarten through 8th grade in difficulty. It is not necessary that teachers teach certain concepts before a student is able to work effectively at any Math Festival station in the room. The Math Festival station activities and problems represent wonderful opportunities for students to practice the skills and concepts they have learned in class.

Who provides the Festival materials? What does a school need to provide?

CMC provides EVERYTHING for a successful Math Festival, even the expendable materials. Look at the pictures taken at other schools' Festivals in our brochure or on this CMC website; we bring everything you see. We bring enough of everything based upon the number of students (and/or parents) scheduled to attend your Math Festival events.

Who will conduct our Math Festival?

The California Mathematics Council will send ONE presenter to conduct your Math Festival events for the day. All of the presenters for the CMC Math Festival programs are experienced classroom teachers, credentialed in California. Besides many years teaching experience in classrooms and in diverse communities, ALL the CMC presenters have a variety of experience working with multi-age students, teachers of all grades, and parents, guardians, and families. On the appointed day, your Math Festival presenter will arrive early in the morning for setup, and lead the Festival sessions all day long. If your school has contracted for the optional Family Mathematics Festival and/or after-school Math Festival teacher workshop, this same presenter has been trained to conduct those events as well. We're sure you, your administration, teachers, students, and families will enjoy working with our wonderful CMC Math Festival presenters; they are friendly, knowledgeable, and professional.

Will the CMC Math Festival presenter need to be fingerprinted by our district?

Very occasionally we are asked by districts to have our Math Festival presenter fingerprinted specifically for the one day visit to your school. This isn't possible or feasible, and is not required by the law. Therefore, as a policy, we do not comply with requests for fingerprinting. The law governing fingerprinting of school employees,

Education Code Section 45125.1, requires that employees of entities providing services to school districts who will come in contact with students, must be fingerprinted by the California Department of Justice for a criminal records check, UNLESS your DISTRICT determines that the CONTRACTOR and CONTRACTOR's staff will have limited contact with pupils. In making this determination, your DISTRICT must consider the totality of the circumstances, including factors such as the length of time CMC's presenters will be on school grounds, whether pupils will be in proximity with the site where CMC personnel will be working, and whether they will be alone or with other district employees.

Under the conditions of your student CMC Math Festival, the California Mathematics Council's presenters will have limited contact with pupils and ARE NOT SUBJECT TO THE FINGERPRINTING REQUIREMENTS OF EDUCATION CODE SECTION 45125.1 OR 45125.2. CMC expressly acknowledges the following conditions will apply to any work performed by CMC personnel on your school site:

- CMC's representative will check in with the school office each day immediately upon arriving at the school site;

- She will inform school office staff of her proposed activities and location at the school site;

- Once at the designated location, she will not change locations without contacting the school office;

- She will be under the direct supervision of a district employee (a Teacher-Leader) released for the entire day for this purpose;

- She will not use student rest room facilities unless told to do so by a school employee; and

- If she finds herself alone with a student, she will immediately contact the school office and request that a member of the school staff be assigned to the work location.

ALL CMC Math Festival presenters are, however, current or former certificated public school teachers in California, and as such, have been fingerprinted by their own district and county office of education. Their fingerprints ARE on file at the Department of Justice.

What does a typical Math Festival schedule look like?

Here is a SAMPLE Math Festival schedule (yours may start and end at different times, and have a different number of sessions):

Set up	7:30 - 9:00 (minimum 90 minutes)
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Session 1	9:00 - 9:35
	Passing break
Session 2	9:45 - 10:20
	Passing break
Session 3	10:30 - 11:05
	Passing break
Session 4	11:15- 11:50
LUNCH	12:00 - 1:00 (45 min minimum for staff and volunteers to eat)
Session 5	1:00 - 1:35
	Passing break
Session 6	1:45 - 2:20
Teacher After-School Workshop	
Set-up	30 min minimum
Workshop	2:50 - 4:10
Dinner	45 min minimum
Family Mathematics Festival	
Session	6:00 - 7:00 (90 min maximum)
Clean up	45 minutes

What is the Family Mathematics Festival?

The Family Math Festival is a wonderfully effective parent outreach event that welcomes your school community to your school to celebrate this important subject. If you wish to host the optional Family Mathematics Festival, the event must be held the SAME evening of your school's student Math Festival. It is usually open to all members of students' families regardless of their age; everybody from Grandma to baby sister can find a fun math activity to do at a Family Mathematics Festival.

Since students who have attended the Math Festival that same day tend to pull their families to the Family Mathematics Festival that evening, many schools have had the best-attended, non-student-performance family event ever. Families tour the same Math Festival stations the students did during the day. Their students become their tour guides and teachers, so there is no need for parent or teacher volunteers to assist at the Family Mathematics Festival stations. It is wonderful to watch mothers, fathers, and guardians doing math with their children—and having fun at the same time.

The Family Math Festival usually runs from 6 or 6:30 to 7:30 or 8:00, and an hour is usually about right if no additional program is scheduled (raffle, talk by principal or speaker, etc.). 90 minutes is the MAXIMUM length of the Family Mathematics Festival, due to the very long Math Festival day for the presenter and released teacher-leader. The same-day Family Mathematics Festival is optional for an additional \$700.

Depending on your facility, an evening Family Math Festival can accommodate 200+family members and students. If you wish, your Math Festival presenter will be happy to make a few comments to families about the importance of mathematics for their children, and how they can support their student's learning of this critical subject. CMC can also provide the booklet, *Math at Home, A Parent's Guide to Helping Children Learn Mathematics*, to the families that attend your Family Mathematics Festival, at a cost of \$.35 per booklet. *Math at Home* booklets are optional and are available in English and Spanish. [Click here to download a free pdf copy of this parent booklet.](#)

What is the MathFestival After-School Teacher Workshop?

We also offer an inservice professional development program for teachers on how to integrate the Math Festival activities into K-8classrooms. The emphasis of this workshop is extending the experience of the Festival throughout the the year, and the focus is on teachers using the Standards based Math Festival curriculum materials as stations, enrichment, or as structured lessons. This workshop adds a ninety minute to two-hour after-school professional development program for your staff following the student Festival and preceding the evening Family Math Festival. This teacher workshop completes a coordinated school community Math Festival package. Together with our student and family Math Festival programs, with this inservice your school can have Math Festival Programs that benefit students, teachers, and families, all in the same day. This Math Festival Professional Development program is optional for an additional \$800.

Can we offer only the Family Mathematics Festival?

Although the Family Mathematics Festival makes a perfect event to follow your student Math Festival, due to popular demand, the California Mathematics Council has begun offering stand alone Family Mathematics Festival events on evenings and weekends. It's more expensive to offer ONLY the Family Mathematics Festival because the

materials, set-up and break-down time, and travel involved are the same as for a student Math Festival. Hosting only a Parent Festival costs \$1500 plus related travel expenses. A stand-alone Family Mathematics Festival can last 2 hours MAXIMUM; Family Mathematics Festivals longer than 2 hours are available, but their cost is equal to a student Math Festival.

Whenever possible, we encourage schools to offer the student Festival during the day and a parent/student Festival that evening, for an extra charge of only \$700. The benefit of hosting a daytime student Math Festival for your whole student body followed by an evening Family Mathematics Festival, is that the students who pass through the Festival that day tend to urge (some might say "drag") their parents to the evening Festival. Some schools have had their highest parent attendance EVER because of this effect. However, we are happy to accommodate schools who only wish to host an evening or Saturday Family Mathematics Festival.

Can you conduct a Festival on a minimum day?

Depending on the size of your student population, it MIGHT be possible to conduct a Festival on a minimum day. Each session lasts 45 to 50 minutes, including clean-up and passing time between sessions. The Math Festival can accommodate a maximum of 150 students per session (if your facility is large enough). Normally we conduct 5 or 6 of these sessions in one day in order to allow every student to visit the Festival. You could "do the math" using your school's schedule and number of students to see if it will work on a minimum day.

What Math Festival materials do we get to keep?

Each school that hosts a Festival gets a choice of a complete set of that Math Festival's printed curriculum materials (Algebra, Geometry, or Number), or a CD with these same files in color. Your teachers are encouraged to use these in their own classrooms. There are three CMC Math Festivals: Algebra, Geometry, and Number, and each has its own completely different Math Festival curriculum. We provide these materials to help your school extend the learning and excitement of your Math Festival day—all year long! The printed and CD Math Festival materials consist of copies of ALL the Math Festival station posters with directions for each activity; Spanish translations of the instructions; copies of EVERY task for each Math Festival station (average 12 different problem solving tasks per station); lists of manipulatives and materials needed for each station; and answers to the stations' tasks where appropriate. In addition

to your teachers' use of these materials in creative ways, with the printed or CD materials your school could host YOUR OWN Math Festival, and several schools have done so!

How can we justify the cost of a Math Festival Program?

The California Mathematics Council Math Festival Program is not funded or subsidized by any company or government agency. As a non-profit organization, CMC does not have adequate funding to offer this program to schools below our costs. We hope someday that a corporate sponsor might be found to help us offer Math Festivals to schools at reduced costs. At the present time, we must offer the Math Festival Program to schools on a fee-for-service basis so that CMC can recover its costs and continue to offer this outreach program to schools all over California.

While \$2000 for the full day's student Math Festival may sound expensive, consider that in the space of a day every student in your school, from Kindergarten through 8th grade (up to 900 students), can pass through and experience a Math Festival. At a cost per student, it compares quite reasonably to brief student assemblies and many programs that only work with one class or a specific grade within the school.

In addition, we offer the optional evening Family Mathematics Festival at a reduced rate of only \$700 as a way to encourage schools to involve parents, guardians, and families to experience this important subject alongside their children. (The reduced rate is for a Family Mathematics Festival program held the SAME EVENING as a school's student Math Festival). If your school also chooses to hold the after-school Math Festival inservice workshop for teachers, in a single day your school can host THREE Family Mathematics Festival events that will have your students, teachers, and families talking about MATH for weeks!

Is the cost of the Math Festival reduced if we only have a small number of students in our school?

Unfortunately, the cost of presenting a Festival to 100 students is the same as for 900 students because the cost of delivering the program does not change in terms of travel and time. However, some smaller schools have opted to host a Math Festival at ONE school site for TWO schools: then both schools can share the costs as long as the total student numbers are not over 900 and the Math Festival sessions can

be scheduled during a normal six-hour school day. Perhaps there is another small school within walking distance that could send classes to the Math Festival at your site. We will gladly issue separate invoices that easily allow the two or more schools to pay just their share of the costs of a multi-school Math Festival program. One middle school hosted a K–8 MathFestival at their site, and FOUR other schools were able to attend and enjoy the Math Festival's activities.

Can we purchase only the Math Festival Materials if we don't host a Math Festival?

Currently the CMC Math Festival printed curriculum materials are available only to schools that host a CMC Math Festival Program. The California Mathematics Council is putting all our efforts into offering the CMC student and parent Math Festival programs throughout California, but we hope to make these materials available some day in publications for sale.

What are the related travel costs?

Travel costs related to hosting a Math Festival at your school include auto mileage billed at the federal mileage rate, a daily meal allowance, and hotel accommodations for your Math Festival presenter (depending on distance traveled). Because of the large amount of materials associated with hosting a Math Festival, we must drive, not fly, to your school. However, we are fortunate to have CMC Math Festival presenters located in different parts of the state to reduce travel expenses for schools. Hotel accommodations are only required if your presenter must drive the night before to be there early in the a.m. for setup, and/or stay over a second night if your school hosts an evening Family Mathematics Festival and it's too late to drive home. The travel related expenses of hosting a Math Festival will depend on the individual circumstances of travel time and distance to your site, but can be estimated quite closely for your purchase order.

If more than one Math Festival can be arranged on consecutive days with a nearby school(s), the schools can share the travel costs. (This must be arranged in advance with confirmation of dates by ALL schools involved.)

When you tell us the street address of your school, and which Math Festival programs you wish to host (student Math Festival, Family Mathematics Festival, and/or after-school Math Festival teacher workshop), we will email you a detailed cost estimate for your Math

Festival events upon request.

What is the billing process for contracting for a Math Festival?

After looking over the Math Festival information, if you would like to book a Math Festival date for your school, it's best to begin by indicating your first, second, and third choice of dates. We will then let you know which of those dates fit into our calendar. We ask that your school or district start processing a purchase order immediately upon confirmation of the Math Festival date for your school. CMC will provide you with a detailed cost estimate with all charges and travel expenses broken down.

CMC prefers the purchase order process for payment. Your purchase order must be in the amount of the estimate and sent to CMC BEFORE the date of your Math Festival. If we don't receive a purchase order from your school or district at least two weeks prior to your school's Math Festival date, it may result in a cancelation.

The address of the California Mathematics Council is:

MATH FESTIVAL PROGRAMS
CALIFORNIA MATHEMATICS COUNCIL
PO BOX 880
CLAYTON CA 94517-0880

The California Mathematics Council is a tax exempt non-profit corporation, federal tax ID number 94-6123312

For more information, questions, a cost estimate, or to book a Math Festival date for your school, please contact Paul Giganti, Jr., Director of the CMC Math Festival Program, at: pgiganti@berkeley.edu

Do we need volunteers to help students?

Yes! One of the nicest elements of any CMC Math Festival program is parent involvement. For your student Math Festival, we ask the school to sign up parent volunteers, aides, or other adults in advance so they can assist the students at the Festival stations during the day. Parents or adult volunteers NEED NOT BE MATH EXPERTS to help out; they can learn all they need to know in a brief orientation that morning, and by participating in the sessions. Your school will need to sign up 12 to 16 parents or other volunteers for each Math Festival student session; parents can volunteer to work in shifts. It's ideal if your school can

have one adult helping at each Math Festival station. We will provide your school with information, advice, and flyers in advance to use in the process of gathering parent volunteers. Speaking English IS NOT required of the help at your Math Festival; in fact, non-English speaking volunteers can help non-English speaking students quite nicely.

While all Math Festivals have been successful, those that have parent/adult volunteers to assist the students during the Math Festival have been even more successful for the entire school community. Having parents help at each of the Math Festival tables not only makes for a better learning experience for each student, it also provides a rich mathematics experience for the assisting adult, and allows teachers to circulate and observe their students. Schools benefit greatly by reaching out to parents and bringing them into the school. A Math Festival is a great vehicle to encourage parents to get involved in an academically satisfying yet enjoyable and non-threatening school event. Your Math Festival can generate great public relations for your community. In fact, a Math Festival can provide positive stories and wonderful photos for your local newspaper, radio, and TV station, and we encourage schools to contact their local education reporter in advance of the day.

Who provides the Festival materials?

CMC provides EVERYTHING for a successful Festival, even the expendable materials used during a Festival. If you look in the brochure or on the web site at the pictures taken at other schools' Festivals, everything you see was brought by the CMC presenter. We bring enough of all the necessary Math Festival materials for the number of students (and families) scheduled to attend your Math Festival that day.

When the Festival day is done, we leave a binder with ALL the printed material from that particular Math Festival for your teachers to reproduce and use in their own classrooms.

Is the Math Festival suitable for Middle School students?

We have conducted over 150 Math Festivals, and almost a third of those were successful programs at middle schools. A CMC Math Festival is VERY appropriate for 6th through 8th grade students. For a middle school Math Festival we choose the more advanced stations to set up, and they've proven very challenging for ALL middle school

students from Special Education to Gifted and Talented. Because of the different levels of difficulty at each station, students can naturally seek their own level of ability. If you have low-ability students, they will find MANY activities at each station at which they can be successful while gradually working harder and harder problems. If you have exceptional 8th grade students, they too will find ample problems that challenge even adults. In scheduling a Math Festival for a middle school, please take note that the Festival takes over the entire gym or cafeteria for the whole day, and precludes any other activity from happening before, during, or after the Math Festival sessions; this includes after school as well if there is a Family Math Festival scheduled that evening.

Is the Festival appropriate for non-English speaking students?

Students throughout California have been fully able to participate in their school's Math Festival including sites with high populations of English language learners. The instructions for each Festival station have been translated into Spanish, and even though the individual station tasks are not translated, they have VERY FEW words. None of the Math Festivals activities are reading intensive, nor does reading play a key role in student access. Students who are second-language learners have no problem figuring out the tasks at ANY Math Festival station because they are very intuitive and include MANY visual examples, pictures, and diagrams. In addition, parent volunteers give students the level of assistance they need. This is one of the most important roles of the parent volunteers during a Festival; they can show students how to do an activity in a very brief time. We have even hosted TWO very successful Math Festival programs at the California School for the Deaf!

Are the materials translated for use by non-English speaking parents at the Parent/Student Festival?

While there are the Spanish translations of the instructions at each Festival station for the Algebra, Geometry, and Number Math Festivals, a most interesting and wonderful effect makes further translation unnecessary: since their students have passed through the school's Math Festival that very day, they become instant "experts" and take on the role of teacher and translator for their own family members. The only need for a real translator is during the opening comments and instructions for the Math Festival before the families are released to go to the Festival stations.