

# Math 24 Challenge

2007-2008



## Registration Deadline

October 12, 2007

Register on the TAG Network District Registration Form.  
Be certain the correct contact person is listed for each grade level.

# Math 24 Challenge Information 2007-2008

Deadline to register: October 12, 2007

1. **What is Math 24?** Math 24 is a card game. On each card there are four numbers. Players must use each of the numbers once, and may add, subtract, multiply, or divide, in order to reach an answer of 24. (Some decks operate a little differently from others, so do check the directions.) Math 24 fosters basic facts, mental math, problem solving, and patterning. There are many different versions of Math 24.
2. **What is the Math 24 Challenge?** The Challenge is a tournament in which tables of 3 students compete against each other to successfully solve the Math 24 cards. Four rounds of play are used, and players switch tables for each round.
3. **Purpose of the Challenge:** The purpose of holding the Math 24 Challenge tournaments is to motivate use of Math 24 in classrooms over a period of years. Participation in a tournament gives an impetus to teachers to get more involved with the game than just an introductory day or two. Districts may want to hold school-wide or district-wide tournaments whether or not they participate in a regional Challenge tournament.
4. **Recommended Minimum Classroom Involvement:** After introducing the basic idea of the card deck for the grade level, it is recommended that classes solve 2-4 cards per day for 20-30 days (4-6 weeks). This can be accomplished in just 2-4 minutes a day. Teachers may choose to get more involved by working on a variety of classroom activity ideas that will be provided. Students may also be given access to the cards for study time, recess time, etc.
5. **Grade levels and card decks:** There are tournaments at 5 grade levels. Students may participate ONLY at their regular grade level, NOT their math grade level.

<b>Grade 4</b>	<b>Single Digits</b>
<b>Grade 5</b>	<b>Double Digits</b>
<b>Grade 6</b>	<b>Variables</b>
<b>Grade 7</b>	<b>Fractions/Decimals</b>
<b>Grade 8</b>	<b>Algebra(/Exponents) Readiness</b>

## Purchasing Card Decks

Nasco in Fort Atkinson

1-800-558-9595 or

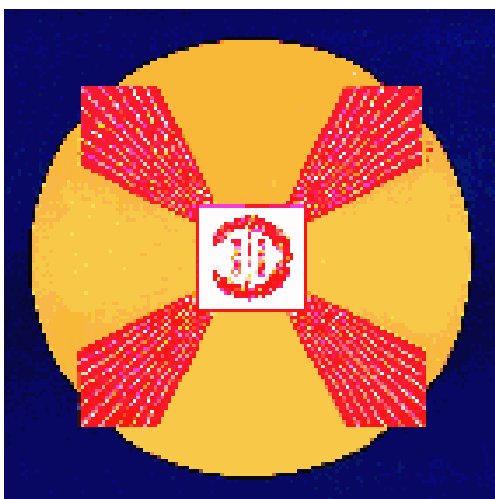
[www.enasco.com](http://www.enasco.com)



6. **Number of groups to register:** Registrations are in groups of 3 students, even though the students compete as individuals. The chart below indicates how many groups each district may register. Each district will determine how that is broken down between schools.  
**Districts must provide an adult proctor for each group of 3 that is registered.**

<b>Number of classrooms in district at a grade level</b>	1-3	4-6	7-9	10-12	13+
<b>Number of groups of 3 that can be registered</b>	1	1 or 2	1, 2, or 3	1, 2, 3, or 4	1, 2, 3, 4, or 5

7. **Fees:** \$15 for each group of three
8. **Time Frame:** Math 24 tournaments are scheduled for January - April. Listed are the preferred weeks for the tournaments, but there is room for some negotiation near these dates. We will need to plan for snow dates as well.
- Grade 4** April 21 – May 2      **Grade 6** Feb 18 – Feb 29      **Grade 8** Feb or Mar  
**Grade 5** Jan 21 – Feb 1      **Grade 7** Mar 17 – Apr 4
9. **Hosts:** THE TOURNAMENTS WON'T HAPPEN WITHOUT HOSTS. As much as is geographically feasible, we will schedule two tournaments in one day at each host site, one from 9-11:30 and another from 12:15-2:45. Both tournaments will be the same grade level but 2 different regionals. A Materials Day will be held for hosts to organize materials and supplies and to review tournament procedures. Each host district will be given \$40 per tournament towards the purchase of refreshments.



10. **Assignment to a tournament site:** Districts will be assigned to a tournament site after all the registrations are in and hosts are determined. Assignments will be determined geographically.
11. **No Spectators/No Alternates:** Please be aware that this is not a spectator activity. The set up just does not lend itself to that. Also, although you may want to have alternates in mind in case of illness, alternates should NOT be brought to the tournament since there is nothing for them to do. (You MUST bring groups of 3. The competition is only fair if every table has the same number of participants.)

12. **Scorekeeping Software:** Hosting districts are required to own a copy of Appleworks software (available in a Win/Mac education edition). An Appleworks database is used to assign tournament tables, to print tournament labels, and to keep track of competition scores.

**13. Participating Districts' Responsibilities:**

- Each participating district **MUST** provide an ADULT PROCTOR for every 3 students.
- Each district **MUST** provide the host district with the names of participants ONE WEEK before the event. (There are many tasks that must be completed prior to the competition based on the names and the exact number of students. It simply is not respectful of the host district to not be prepared with names one week ahead.)
- Be ON TIME for the tournament. (Hosts are running two tournaments in one day, so timeliness is very important.)

14. **Awards:** We will award place tokens to every student at the end of each round, participation certificates to all students, a ribbon to the highest scoring student from each district, and trophies for 1st-6th places.

For questions, contact Martha Barlow  
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