

2023 MONSTER MATH

An Enrichment Program for Grades 2-6

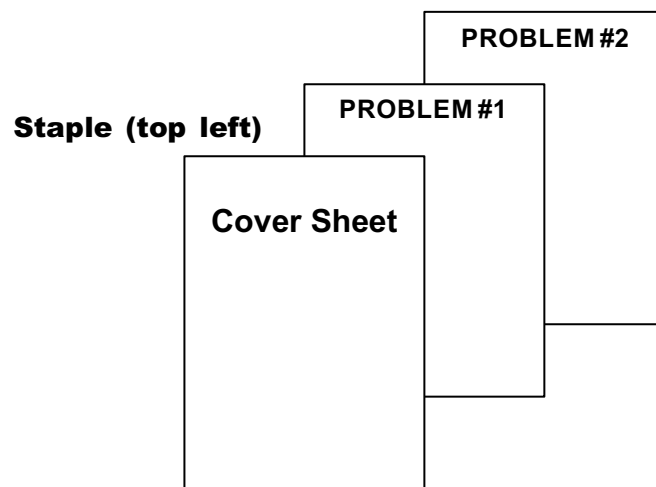


Goals

- Provide strategies for teaching problem-solving skills to ALL students.
- Motivate ALL students to strive for a high level of performance in rigorous problem-solving experiences.

Rules & Information – District Competition

- **Individual Teachers** or **Grade Level Teams** can register for the competition.
- Monster Math problems will be sent to schools during in early March.
- A group of 2 – 6 students composes a Monster Math team for the district competition. (A group of 2 – 4 students is ideal.)
- Teams can work on each problem for a total of one hour (two hours total).
 - Teachers may want to have students do the problems on two separate days.
- All registrants must submit **SIX Sets of Problems** for scoring.
 - A **Set of Problems** consists of **BOTH** Monster Math problems for the year **AND** a **Cover Sheet**. (Please see the sample below.)
 - The same team must have completed both problems in the set.
- Again, please include a cover sheet with each Problem Set submission.
 - The cover sheet is included on the last page in this packet.
- Submit your **SIX Sets of Problems** to Rebecca Smith at the District Office by April 14, 2023.



Scoring

The following scale will be used for scoring each problem:

20 Points

- The answer is correct, written on the answer line, and labeled
- **All** steps in the explanation are shown, labeled, and follow logically to the solution

15 Points

- The answer is correct but...
- Label or answer is missing on the answer line or
- Labels are missing in the work shown or
- A step in the process is not shown

10 Points

- Correct answer, but not enough work shown to support the answer
OR
- Incorrect answer, but work is shown, labeled, and explained
(*Computation error, incorrect labels, incorrect operation, etc. may be present.*)

5 Points

- Correct answer, but little work is shown and no explanation is given to show how students arrived at their answer
Or
- Incorrect answer or no answer, limited work to suggest students read the problem and attempted to solve it

Monster Math Achievement Scale

(Total Score for 2 Problems)

Level	Points
Einstein	40
Wizard	30-35
Champ	20-25
Star	10-15
Participation	5



- There are three divisions of competition: General education individual classrooms, ALPS classrooms, and grade-level teams.
- Student performance is judged against the contest scoring rubric. Students compete in an attempt to earn the highest level: Einstein.
- The highest collective score of the Six Problem Sets submitted in each division will win the trophy for that grade and division.

Awards and Recognition – District Competition

- The top scoring entries in the district competition will receive a “traveling trophy” with the school’s name engraved on the side of the trophy and a stuffed monster inside of the trophy.
 - The class or grade level team will keep the trophy for a year.
 - A member of the GT team will retrieve the trophy the following April.
 - The class or grade level team will keep the stuffed monster.
- The GT office will send a certificate in pdf form for each scoring level as well as one for general participation. Teachers can choose to print the certificates for participants in their class/school.



School-Based Competition

- Schools can opt to run their own competitions, independent of the district competition.
- The GT Department will send problems to the school upon request in the spring.
- Schools will determine the set-up of their competition.
- Please use the same scoring guide as for the district competition.
- Upon request, the GT Department will send certificates in pdf form for all scoring levels as well as for participation. Schools can choose to print the certificates for their students.
- With permission of the site principal, schools can also opt to purchase trophies and awards for site competitions. (All ordering is the responsibility of the school.)

Monster Math Cover Sheet

Please staple this sheet to BOTH Monster Math problems solved by each team.

School: _____ Grade: _____

Teacher: _____

Student Team Members:

(1) _____

(2) _____

(3) _____

(4) _____

(5) _____

(6) _____

For District Use	
Problem One	
Problem Two	
Combined Score	
Level	



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Wizard	30-35
Champ	20-25
Star	10-15
Participation	5