"Math is Cool" Masters – 2005-06

Sponsored by:

5th Grade – May 20, 2006

Individual Contest

GENERAL INSTRUCTIONS

Good sportsmanship is expected throughout the competition by all involved. Bad sportsmanship may result in disqualification. Calculators or any other aids may not be used on any portion of this contest. On all tests, except multiple choice, express all rational, non-integer answers as reduced common fractions unless stated otherwise or it is a problem dealing with money and in that case, a decimal answer should be given. For fifth and sixth grade, all fractions and ratios must be reduced. Units are not necessary unless it is a problem that deals with time and, in that case, am or pm is needed. However, if you choose to use units, they must be correct. Leave all answers in terms of π where applicable. Do not round any answers unless stated otherwise. ***Record all answers on the colored cover sheets in the answer column only. Make sure all answer sheets have all the information filled out at the top of the sheet. Tests will be scored as a 0 if answers are not recorded correctly on the answer sheets. Blank answer sheets and answer sheets with no name will also be scored as a 0.***

INDIVIDUAL TEST - *35 minutes*

When you are prompted to begin, tear off the colored sheet and begin testing. Make sure your name and school are recorded on the answer sheet. Each problem is scored as a 1 or 0. Record your answers on the score sheet. No talking during the test. You will be given a 5 minute warning.

Record all answers on the colored cover sheet.

1	If one clown can hold 4 balloons, how many clowns does it take to hold 32 balloons?
2	In 1997 Don was 29 years old. On the same day in 2007, how many years old is Don?
3	Diesel costs $3.29 a gallon. How much, in dollars, will it cost to fill a diesel tank that holds 33 gallons? [Express answer as a decimal.]
4	Evaluate: 5(3 + 5) - 6
5	Sally bought 12 "Math is Cool" t-shirts for $144. How much did each t-shirt cost, in dollars? [Express answer as a decimal.]
6	Write the following mixed number as a reduced fraction: $3\frac{5}{8}$
7	Write the following reduced fraction as a mixed number: 11/4
8	It takes the sound of thunder five seconds to travel a mile. How far away, in miles, is the thunder if it takes the sound 55 seconds to reach you?

9	Compare the following pairs of numbers using <, = or >. 5/6 ☐ 7/8
10	Marcy went to the pet store and bought a rabbit and a goldfish, she spent $24.00. The rabbit cost twice as much as the goldfish, how much, in dollars, did she pay for the rabbit? [Express answer as a decimal.]
11	Write .74 as a reduced fraction.
12	Joe wants to buy the largest number of pieces of candy as possible. One type of candy sells for 18¢ for 5 pieces and another type sells for 13¢ for 4 pieces. What is the largest number of pieces of candy he can buy for 77¢ if the candy must be bought in those increments?
13	Joe has been making $2500 a month. He received a 4% pay raise. How much, in dollars, is he now making each month? [Express answer as a decimal.]
14	On the first day Eho walked for 3 hours 32 minutes. On the second day he walked for 6 hours 55 minutes and on the last day he walked for 2 hours and 48 minutes. How many total hours did he walk? [Express answer as a mixed number.]
15	Joe has a garden that was 30 feet by 40 feet. He put a sidewalk around the garden that was 3 feet wide. What is the outside perimeter of the sidewalk, in feet?
16	For every 100 families with TV sets, 12 families like watching sports. In a town of 23,400 families who all have TV sets, how many families would like watching sports?
17	At the end of a board game, Al had $57 of game dollars. During the game he had won $200, lost $150, won $25, lost $10, and lost $35. How much money did Al have at the start, in dollars? [Express answer as a decimal.]
18	If a notebook holds 70 pages, how many pages would eight and one-half notebooks hold?
19	How many lines of symmetry does a square have?
20	Bessie is one year younger than her husband Hank. The product of their ages is 650. How old is Bessie, in years?
21	A school charges $7.00 for adult tickets and $4.00 for student tickets to a school play. The cost of the production of the play was $800. The drama club made $1140 after the cost of the production was deducted. How many student tickets were sold if 410 tickets were sold in all?
22	Biff and Eho were tossing fair coins. Biff tossed his fair coin 23 times while Eho tossed his fair coin 22 times. What is the probability that Biff gets more heads than Eho?
23	A clothing store is selling shirts for $20.00. They decided to raise the price of the shirt by 20%. A few days later they decided to raise the price another 20%. What is the new price of the shirt, in dollars? [Express answer as a decimal.]

24	Annie bought a calculator for $121.17. She paid $125.00. The store was out of dollar bills and all they had was quarters, dimes, nickels and pennies. What is the smallest number of coins she could receive as change?
25	The ratio of boys to girls on the Mt. Spokane Math Team was 2:3. Four boys joined the team and the ratio changed to 4:5. How many boys are now on the Mt. Spokane Math Team?
26	Mara bought some flowers to plant in her garden. When she separated the plants into groups of three, she had one plant left over. When she separated the plants into groups of five, she had one plant left over. When she separated the plants into groups of eight, she had none left over. What is the smallest number of plants that Mara could have bought?
27	Patrick, Tony and Neil live in a row of three houses on the same street. Walking past their houses, they pass a white house first, then a green house, then a blue house. Patrick lives next door to the green house. Tony does not live next door to his friend who lives in the blue house. Who lives in the blue house?
28	Two numbers have a sum of 9 and a product of 20. What is the smallest of these two numbers?
29	A 6-inch diameter pizza costs $8.00 while a 12-inch diameter pizza costs $16.00. Which pizza is the better deal? If you feel the 6-inch diameter pizza is the better deal write down 6 as you answer. If you feel the 12-inch diameter pizza is the best deal write down 12 as your answer. If you feel neither is a better deal (they are the same value), write down neither.

Challenge Questions	
30	Fred and Ed went on a three day hike. Each day they hiked 10 miles. The first day it took them 3 hours of hiking to travel 10 miles. The next day it took 5 hours. If the average rate of speed for the entire trip was 2.5 miles per hour, how many hours did it take them to hike the 10 miles on the third day?
31	How many numbers between 10 and 50 (inclusive) are divisible by 2, 3 or 5?
32	A bag contains red, green and blue marbles. Joe is told 60% of the marbles are blue and that the bag contains 23 red marbles and 33 green marbles. How many blue marbles are in the bag?
33	Of the 64 proctors volunteering today, all are on the Mt. Spokane Math Team. 36 are taking AP Calculus, 18 are taking AP Biology, 16 are taking AP English, 4 are taking AP Biology and AP Calculus, 7 are taking AP Biology and AP English and 5 are taking AP Calculus and AP English. Seven are not taking any AP courses. How many are taking all three courses AP Biology, AP Calculus and AP English at the same time?
34	A 200 acre wheat field averaged 40 bushels per acre. A 150 acre wheat field averaged 60 bushels per acre. What was the overall average, bushels per acre, on the 350 acres? [Express answer as a decimal to the nearest whole number.]

35 Let A = the area of a trapezoid with a height of 6 and one base length of 8 and another base length of 5. Let B = the area of a rectangle with diagonal of length 13 and a side length of 5. Find A + B.

36 In a river with a steady current, it takes a frog 20 minutes to swim a certain distance upstream, but it takes her only 10 minutes to swim back. How many minutes would it take a stick to float this same distance downstream?

37 A goat was born in the year x^2 and died on her 84^{th} birthday in the year $(x+2)^2$. What year was the goat born?

38 Animals on the Hochstatter Farm:

	BROWN	BLACK
Goat	18	12
Cow	30	20
Horse	12	8

Question A: Given that an animal is black on the Hochstatter farm, what is the probability the animal is a cow?

Question B: What is the probability that an animal picked at random on the Hochstatter farm is a horse?

Question C: What is the probability that an animal on the Hochstatter farm is a brown goat?

What is A + B + C?

39 At a grade school, only two students have the same (two letter) initials. What is the largest number of students that could possibly attend this school with different names?

40 The GCF of two numbers is 1742. Both numbers are even and neither is divisible by the other. What is the sum of the smallest that these numbers could be?

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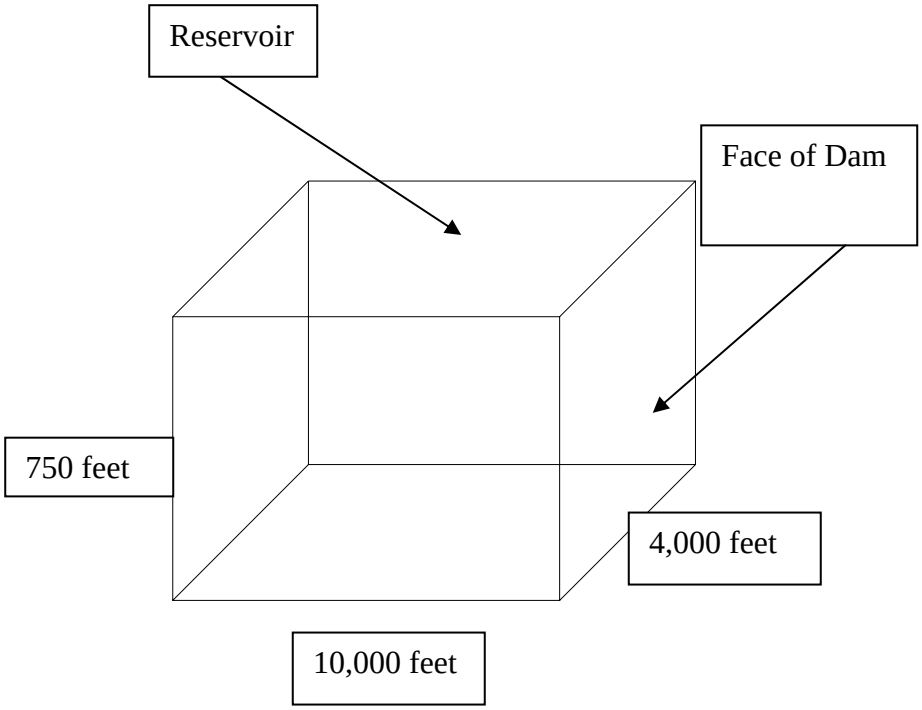
5th Grade – May 20, 2006

Team Multiple Choice Contest

TEAM MULTIPLE CHOICE - 15 minutes

This test is the only test where you will be penalized for incorrect responses. You will receive 2 points for a correct letter response, 0 points for leaving it blank and -1 point for an incorrect response. When you are prompted to begin, tear off the colored sheet, pass out a copy of the test to each team member, and begin testing. Since this is a multiple choice test, ONLY a letter response should be listed as an answer on the answer sheet.

Water flows into the reservoir at 5,000 cubic feet per minute (cfm). When all 20 adjustable spillway gates, gates at the base of the dam that allow water to flow out of the reservoir, are open one foot, a total of 1000 cfm of water is released.



1	What is the area of the bottom floor of the reservoir, in square feet? A) 7,500,000 B) 3,000,000 C) 30,000,000,000 D) 100,000,000 E) Answer not given
2	What is the maximum volume of water the reservoir will hold, in cubic feet? A) 10×10^7 B) 7.5×10^6 C) 3×10^6 D) 3×10^{10} E) Answer not given

3	A new hydro-electric power plant was added to the dam, consuming 1,000 cfm to produce 10 mega watts of power for the nearby town. During the summer, however, 20 mega watts are needed for the heavy air conditioning use. How many cfm of water must flow through the power plant to accommodate this need? A) 2,000 B) 2,500 C) 2,200 D) 2,400 E) Answer not given
4	What consistent height, in feet, must all the spillway gates be open to keep the reservoir level constant? A) 4.5 B) 5 C) 6 D) 4 E) Answer not given
5	If the reservoir water level is at 700 feet but needs to be raised to 725 feet, how many minutes will it take with all the spillway gates open at 1 foot? A) 250,000 B) 275,000 C) 2,000 D) 30,000 E) Answer not given
6	Divers have realized that only 15 of the 20 spillway gates are operating. What consistent height, in feet, must the 15 gates be open to allow the reservoir to remain at a constant height? A) 6 B) 20/3 C) 7 D) 7.5 E) Answer not given
7	How many hours would it take a full reservoir to empty if all the gates are open 10 feet? A) 50,000 B) 75,000 C) 100,000 D) 125,000 E) Answer not given
8	A man is fishing in a boat on the reservoir. If all the spillway gates are open to 10 feet for 1 million minutes, how far, in feet, will the boat drop? A) 100 B) 125 C) 150 D) 175 E) Answer not given
9	How many tons of water is in a full reservoir, if 1 cubic foot of water equals 8 gallons, 1 gallon equals 8 pounds, and 2,000 pounds equals 1 ton? A) 9×10^8 B) 9.6×10^8 C) 8.6×10^8 D) 8×10^8 E) Answer not given

"Math is Cool" Masters – 2005-06

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5th Grade – May 20, 2006

Team Contest

TEAM TEST - 15 minutes **(note change in point value!)**

When you are prompted to begin, tear off the colored sheet and give a copy of the test to each of your team members and begin testing. Each problem is scored as a 2 or 0. Express all rational, non-integer answers as fractions unless stated otherwise. For 5th & 5th grade, make sure all fractions and ratios are reduced. Units are not needed except on questions that deal with time and, in that case, a.m. or p.m. is needed. If you choose to use units, you must use them correctly.

1	Kate had 5 coin purses, each with the same amount of money inside, but each with a different number of coins. If the total amount of money in all the purses was $1.40, what was the smallest possible total number of coins in all the purses?
2	The Lost and Found box contains only mittens and gloves. The total number of gloves in the box is 63. Natasha reaches in at random and pulls out one item. If the probability that she gets a mitten is 2/9, how many mittens are in the box?
3	For this problem, the symbol § between two numbers, x and y, is defined as follows: x § y = $(x + y) \div 2$. As in ordinary arithmetic, do operations within parentheses before operations outside parentheses. Find (11 § (8 § 2)) § 22.
4	In 2006 days it will be Friday. What day was it 2006 days ago?
5	Ten students were comparing their trip to the zoo. Only one student saw the aardvark, the meerkat, and the wombat. Exactly one student saw the meerkat and the wombat, but missed the aardvark. All four of the students who saw the aardvark also saw the wombat. Exactly 4 students saw the meerkat. How many students saw only the wombat, if everybody saw at least one of these 3 animals?
6	Find the sum of $(-1)^1 + (-2)^2 + (-3)^3$.
7	Helen's view of a 12-hour digital clock is partly blocked, but she knows that it is PM and she can see a 2 followed by a 3. She can tell that there isn't another digit between these two, but can't be sure whether there is a colon between them or what other digits there might be to the left or right of these. How many possible times could be showing on the clock if it shows only hours and minutes, not seconds?
8	Three $8\frac{1}{2}$ by 11 inch sheets of paper are taped together edge to edge with no overlap, then an 11 by 11 inch square is cut out and removed. What is the least possible perimeter (in inches) of the remaining paper?
9	I chose a set of 3 different counting numbers, exactly one of which was between 10 and 20. When I multiply the 3 numbers together, I get a product that is odd and less than 50. How many different sets of 3 numbers could I have chosen? (Sets are different if any number in the set is different, but not if they differ only in the order of listing the numbers. For example, {1, 2, 3} is the same as {3, 1, 2}.)
10	A palindromic year is a year that doesn't change when its digits are reversed. A Galapagos tortoise was hatched in January 1881, which we will call PY1 (palindromic year 1). The next palindromic year in its lifetime will be PY2, and so on. How many years old would the tortoise be in January of PY4, assuming it is still living?

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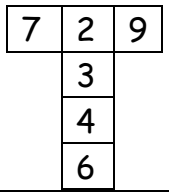
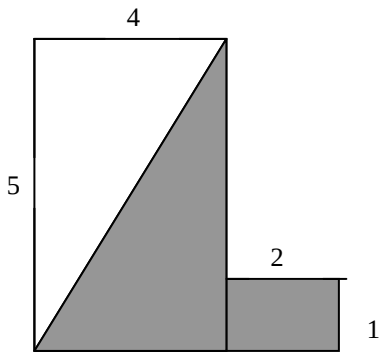
Relay Contest

RELAYS - 5 minutes per relay

There is no talking during this event and you must always be facing forward. Person #1 will be given an answer sheet(s) and will need to fill out the top. The proctor will hand out a strip of paper to each person. These need to be face down on your desk until it is time for the relay to start. Once the relay begins, everyone may turn over their strip of paper and begin working. You may write on the strip of paper to come up with your answer. However, when person #1 figures out his/her problem, he/she will record ***just his/her final answer*** *on the answer sheet and pass only the answer sheet back to the person behind. This continues until person #4 puts an answer on the answer sheet and gives it to the proctor. A correct answer from person #1, #2 and #3 is worth 1 point each. A correct answer from person #4 is worth 2 points making each relay worth 5 points. You will see the expression* ***TNYWG*** [Proctor: write this on the board] *which means: "the number you will get". This is where you put your teammate's answer that they pass back to you, and then you should be able to solve your question. Once the relay begins, turn over your strip of paper and* ***make sure you have the right person number.*** *Remember, no talking and remain facing forward to avoid being disqualified!*

	Relay #1	Answer
Person 1	Given the piece of paper that can be folded up to form a cube, what numbered face will be opposite the number 6 face when folded? 	3
Person 2	Find the sum of the mode and median of the set of data below. 8, TNYWG, 5, 1, 12, TNYWG, 10	8
Person 3	Grace purchased 10 plants at a nursery for her mom. Some cost $(TNYWG) and the rest cost $4. The total cost was $52. How many $(TNYWG) plants did Grace buy?	3 [plants]
Person 4	Let ☺$(a,b) = a^2 + b^3$ for all real numbers a and b. Find ☺$(0,5)$ + ☺$(TNYWG,4)$.	198

	Relay #2	Answer
Person 1	What is the area of the total shaded portions of the rectangles shown below?  	12
Person 2	Given a jar of 6 red, 2 yellow, 4 green and TNYWG white marbles, what is the probability of getting a red marble when one marble is drawn?	$\frac{1}{4}$
Person 3	Evaluate: $\frac{8+8\div 2\times TNYWG}{\sqrt{9}}$	3
Person 4	Find the sum of the perimeter of a square with side length (TNYWG x 3) and the perimeter of a regular octagon of side length $\sqrt{72\times 2}$.	132

"Math is Cool" Masters – 2005-06

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5th Grade – May 20, 2006

Final Score:
KEY

School Name_____Team #_____

Proctor Name_____Room #_____ Division: ____

Mental Math Contest

When it is time to begin, I will read the first question twice. You may not do any writing or talking while arriving at a solution. Once you have a solution, record it on the sheet in front of you. ***You may not change or cross out answers once you have written an answer down. If there are eraser marks, write-overs, or crossed out answers, they will be marked wrong.*** *Once all students have laid their pencils on the desk, another question will be asked. If a student doesn't lay his/her pencil down, the maximum wait time is 30 seconds from the second reading of the question before another question is asked. You may continue to work on a problem while the next question is being read. The value of each question is a one or zero. Each student may answer only four questions, and then another member of your team will come up, until each team member has had a turn. If your team has fewer than 4 members, missing team members will receive a zero.*

PERSON 1 NAME:		**1 or 0**
1.1	What is the greatest common factor of 24 and 30?	6
1.2	Find the product of 5 cubed and 2 squared.	500
1.3	How many ways can you arrange 2 different algebra books and 3 different geometry books on a shelf if the algebra books and the geometry books must stay together?	24 [ways]
1.4	How many times is the digit 2 used in the numbers 1 through 30?	13 [times]
PERSON 2 NAME:		
2.1	Evaluate: 5 factorial minus 3 factorial.	114
2.2	What quadrant is the point -8 comma -2 located?	3rd
2.3	What is the area of a trapezoid whose height is 8 and bases have a sum of 12?	48
2.4	What is the least common multiple of 12 and 16?	48
PERSON 3 NAME:		
3.1	What percentage of the numbers, 1 through 10, are prime?	40 [%]
3.2	Find the result after 20 is divided by 1/2 and 10 is added to the quotient.	50
3.3	What is the month and day of the sixty-eighth day of a leap year?	March 8th
3.4	Find the sum of the number of perfect squares between 10 and 103, and half the number of pints in a quart.	8
PERSON 4 NAME:		
4.1	The sum of the diameter and the radius of a certain circle is 9. What is the circumference of this circle?	6π
4.2	What percent of 60 is 18?	30 [%]
4.3	How many perfect squares are between 10 and 150?	9
4.4	Find the hypotenuse of a right triangle if the two legs are 10 and 24?	26

"Math is Cool" Masters – 2005-06

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5th Grade – May 20, 2006

Division 1 & 2

COLLEGE KNOWLEDGE BOWL ROUND #1

#	Problem	Answer
1	If the average of three consecutive whole numbers is 24, what is the difference between the largest of these three whole numbers and the smallest?	2
2	Find the sum of the quantity of 45 + 45 + 45 + 45 + 45, and the quantity of 55 + 55 + 55 + 55 + 55.	500
3	What is the correct time 3600 seconds before 1:30 PM?	12:30 PM
4	Evaluate 11 cubed.	1331
5	Mickey is twice as old as Donald and Donald is twice as old as Huey. If Huey is 12 years old, how old is Mickey, in years?	48 [yrs]
6	From the first 25 positive whole numbers, 5 numbers, all even, are removed. What percent of the remaining numbers are even?	35 [%]
7	On a 20-question test, correct answers are worth 5 points, unanswered questions are worth 2 points, and incorrect answers are worth 0 points. What was Caleb's score if he answered 10 questions and got 5 correct?	45
	Extra Problem – Only if Needed	
8	Reduce the following: five hundred eighty five over three thousand three hundred fifteen. (585/3315)	3/17

"Math is Cool" Masters – 2005-06

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5th Grade – May 20, 2006

Division 1 & 2

COLLEGE KNOWLEDGE BOWL ROUND #2

#	Problem	Answer
1	What is the reciprocal of the sum of four sevenths and seven fourths?	28/65
2	If the pattern ABCDABCDABCD…continues, what would be the 2006th letter in the pattern?	B
3	Find the largest prime factor of 30 times 40 times 50.	5
4	If I roll two 6-sided dice, what is the probability that I will have a sum of 2 or 12?	1/18
5	A 1200-word story averaged 5 letters per word and had a vowel to consonant ratio of 3 to 5. How many consonants did this story contain?	3750 [con]
6	If two angles in a triangle are complementary, what is the measure, in degrees, of the third angle?	90 [°]
7	A row of 9 soup cans are lined up in a row and 8 are stacked on top, then 7, then 6 and so forth until there is only 1 can stacked on the very top. How many soup cans were used to form this arrangement?	45 [cans]
	Extra Problem – Only if Needed	
8	How many positive prime numbers have a one's digit of 5?	1

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Division 1 & 2

COLLEGE KNOWLEDGE BOWL ROUND #3

#	Problem	Answer
1	What would be the value of x in the following: The product of 3 and the power 2 to the x power is equal to 48.	4
2	How many times does the digit 2 appear in the prime numbers less than 100?	3 [times]
3	What is the sum of the exterior angles of a triangle and the interior angles of a triangle, in degrees?	540[°]
4	In the Fibonnacci sequence, {1, 1, 2, 3, 5, 8, 13 and so on…}, what is the 14^{th} term?	377
5	What is the volume of a right cylinder of radius 8 and height 5?	320π
6	It takes 2000 bees one year to make 7 jars of honey. How many years will it take 5000 bees to make 70 jars of honey?	4 [yrs]
7	The Hochstatter cat's, Isaac and Albert, sleep a lot! Albert sleeps 18 hours a day and Isaac sleeps 10 hours a day. How many hours total do they sleep in a week?	196 [hrs]
	Extra Problem – Only if Needed	
8	Find the volume of a cone of radius three and one half and height of 12.	49π

"Math is Cool" Masters – 2005-06

5th Grade – May 20, 2006

Final Score:
KEY

First Score

School Name_____Team #_____

Proctor Name_____Room #_____

STUDENT NAME_____Division: _____

Individual Contest – Score Sheet

DO NOT WRITE IN SHADED REGIONS

	Answer	1 or 0	1 or 0
1	8 [clowns]		
2	39 [yrs]		
3	[$] 108.57		
4	34		
5	[$] 12		
6	29/8		
7	2 3/4		
8	11 [miles]		
9	<		
10	[$] 16.00		
11	37/50		
12	22 [pieces]		
13	[$] 2600		
14	13 1/4 [hrs]		
15	164 [ft]		
16	2808 [fam]		
17	[$] 27		
18	595 [pgs]		
19	4 [lines]		
20	25 [years]		

	Answer	1 or 0	1 or 0
21	310 [tickets]		
22	1/2		
23	[$] 28.80		
24	19 [coins]		
25	24 [Boys]		
26	16 [plants]		
27	Patrick		
28	4		
29	12		
30	4 [hours]		
31	29 [num]		
32	84 [blue mar]		
33	3 [stu]		
34	49 [bus/acre]		
35	99		
36	40 [mins]		
37	400		
38	22/25		
39	677 [students]		
40	8710		

"Math is Cool" Masters – 2005-06

5th Grade – May 20, 2006

School Name_____Team #_____

Proctor Name_____Room #_____

Division: _____

Final Score:
KEY

First Score

(out of 18)

Team Multiple Choice Contest – Score Sheet

Correct responses are worth 2 points, incorrect responses are worth -1 point and no response is 0 points.

DO NOT WRITE IN SHADED REGIONS

	Answer	-1, 0 or 2	-1, 0 or 2
1	E (40,000,000)		
2	D		
3	A		
4	B		
5	A		
6	B		
7	C		
8	B		
9	B		

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School Name_____Team #_____

Proctor Name_____Room #_____

Div: _____

Final Score:
KEY

First Score

(out of 20)

Team Contest – Score Sheet

DO NOT WRITE IN SHADED REGIONS

	Answer	2 or 0	2 or 0
1	35 [coins]		
2	18 [mittens]		
3	15		
4	Thursday		
5	3 [students]		
6	-24		
7	32 [times]		
8	51 [inches]		
9	3 [sets]		
10	231 [years old]		

"Math is Cool" Masters -- 2005-06

KEY

5th Grade – May 20, 2006

School:_____Team #_____

Proctor: _____ Room #_____Div _____

RELAY # 1

Answer for person # 1	Answer for person # 2	Answer for person # 3	Answer for person # 4
3	**8**	**3 [plants]**	**198**
1 or 0	1 or 0	1 or 0	2 or 0

RELAY # 2

Answer for person # 1	Answer for person # 2	Answer for person # 3	Answer for person # 4
12	**1/4**	**3**	**132**
1 or 0	1 or 0	1 or 0	2 or 0

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5th Grade – May 20, 2006

Final Score:

First Score

School Name_____Team #_____

Proctor Name_____Room #_____

STUDENT NAME_____Division: _____

Individual Contest – Score Sheet

DO NOT WRITE IN SHADED REGIONS

	Answer	1 or 0	1 or 0
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

	Answer	1 or 0	1 or 0
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
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35			
36			
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38			
39			
40			

"Math is Cool" Masters – 2005-06

5th Grade – May 20, 2006

School Name_____Team #_____

Proctor Name_____Room #_____

Division: _____

Final Score:

First Score
(out of 18)

Team Multiple Choice Contest – Score Sheet

Correct responses are worth 2 points, incorrect responses are worth -1 point and no response is 0 points.

DO NOT WRITE IN SHADED REGIONS

	Answer	-1, 0 or 2	-1, 0 or 2
1			
2			
3			
4			
5			
6			
7			
8			
9			

"Math is Cool" Masters – 2005-06

5th Grade – May 20, 2006

Final Score:

School Name_____Team #_____

First Score
(out of 20)

Proctor Name_____Room #_____

Div: _____

Team Contest – Score Sheet

DO NOT WRITE IN SHADED REGIONS

	Answer	2 or 0	2 or 0
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

"Math is Cool" Masters – 2005-06

Sponsored by:

5th Grade – May 20, 2006

Final Score:
(Out of 16)

School Name_____Team #_____

Proctor Name_____Room #_____ Division: ____

When it is time to begin, I will read the first question twice. You may not do any writing or talking while arriving at a solution. Once you have a solution, record it on the sheet in front of you. ***You may not erase or cross out answers once you have written an answer down.*** *If there are eraser marks or crossed out answers, they will be marked wrong. Once all students have laid their pencils on the desk, another question will be asked. If a student doesn't lay his/her pencil down, the maximum wait time is 30 seconds from the second reading of the question before another question is asked. The value of each question is a one or zero. Each student will be asked four questions, then another member of your team will come up.*

PERSON 1 NAME:		**1 or 0**
1.1		
1.2		
1.3		
1.4		
PERSON 2 NAME:		
2.1		
2.2		
2.3		
2.4		
PERSON 3 NAME:		
3.1		
3.2		
3.3		
3.4		
PERSON 4 NAME:		
4.1		
4.2		
4.3		
4.4		

Relay Answers

5th Grade

Mental Math

5th Grade

College Bowls

5th Grade

Division 1 & 2