"Math is Cool" Championships – 2006-07

Sponsored by:

5th Grade – April 21, 2007

Individual Contest

GENERAL INSTRUCTIONS applying to all tests:

- *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.*
- *Unless stated otherwise:*
  - *For problems dealing with money, a decimal answer should be given.*
  - *Express all rational, non-integer answers as reduced common fractions.*
- *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.

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Individual Contest

Record all answers on the colored cover sheet.

1	To "evaluate" an expression means to find its value. Evaluate: 72 – 63
2	Evaluate: 3 x 41 ÷ 3
3	Robbie divided 9492 by 7 and then divided that quotient by 3. His second answer was the same as the answer that Marcy got when she divided 9492 by what single number? (Assume that all calculations were correct.)
4	Evaluate: $\frac{2}{3}+\frac{1}{6}-\frac{1}{4}$, and give your answer as a reduced fraction.
5	What is 20 percent of 182? Give your answer as a decimal.
6	When J.T. throws a football, it spins 10 times per second. If he throws a 10-yard pass on a straight line at 3 feet per second, how many times does the ball spin?
7	When you reverse the digits of 56 you get the new number 65. When you reverse the digits of 118 and of 374, and then add these two new numbers together, what is their sum?
8	What is the largest whole number that divides into both the number of days in a week and the number of months in a year with no remainder in either case?
9	When you count backwards from 83 by fives (starting 83, 78, and so on), what is the last even number you will say if you say only positive numbers?
10	What is the next number in the sequence: 3, 5, 8, 12, 17, ___?
11	Janey has 100 quarters, 25 dimes, and 15 nickels. In dollars, how much money does Janey have?
12	A regular decagon has perimeter 145 units. What is the length of one side of the decagon, expressed as a decimal?
13	What is the sum of the first 15 odd counting numbers?
14	Pono has big fat fingers and always presses one number greater than the number he intended on his calculator. When Pono attempts to find the answer to 638 minus 472, how much greater is his answer than the correct answer?
15	What month will it be exactly 38 months before 5 months after November?
16	How many days are equal to 5760 minutes?
17	Two circles with radius 5 centimeters are put side by side, just touching, and the smallest possible rectangle is drawn around them. What is the area of this rectangle, in square centimeters?

18	What is the probability of getting a king on a draw of one card from a standard 52-card deck? Express your answer as a reduced fraction.
19	What number fits in the box? $\frac{15}{8} = \frac{[\,]}{16}$
20	What is the median of: 150, 212, 72, 84, 515, 160?
21	A pig needs 10 square feet of living space to survive. How many pigs can live in an 8-foot by 16-foot rectangular pen?
22	Of 87 people surveyed, 4 people liked neither movies nor video games, 41 liked movies, and 58 liked video games. How many people liked both movies and video games?
23	What is the sum of the first 5 odd prime numbers?
24	How many ways are there to make exactly 19 cents using dimes, nickels, and/or pennies?
25	An eight-and-one-half inch by eleven inch rectangular piece of paper is folded once. What is the maximum number of square inches that can be double-layered? Give your answer as a decimal.
26	In an arithmetic sequence, the difference between any two consecutive numbers of the sequence is always the same. Find the sum of the numbers that go in the two blanks for this arithmetic sequence: 4, __, 16, 22, __, 34
27	When you subtract 2007 from 2,000,007 and then divide the difference by 1000, you get a number that names a year. How many years before 2007 was that year?
28	Give the letters of all of the following statements that are true. If none of the statements are true, answer "none". A) The diagonal of a square is the same length as a side of that square. B) The area of a square is always 4 times its side length. C) The area of a square (when given in square inches) is always a bigger number than the perimeter of that square (when given in inches). D) If a circle is drawn around a square (with the four corners of the square just touching the circle), the side length of the square will be equal to the diameter of the circle.
29	Matt is sitting by a mosquito-infested pond and is being ruthlessly attacked. He can swat 12 mosquitoes per minute, but that is only one-third of the mosquitoes that are attacking him each minute. If every mosquito that attacks Matt without getting swatted leaves an itchy bite, how many itchy bites will Matt have after 5 minutes?

Challenge Questions

30	Find the product of the digits of the product of the digits of the product of 29 and 13.
31	What is the product of $1\frac{2}{5}$ and $2\frac{1}{2}$, expressed as a mixed number?
32	If A @ B = (A – B) x (A + B) x (A) x (B), then what is (2 @ 1) @ 4?
33	Katie averaged 4.25 hits per game through her first 8 softball games. If after 10 games she averaged 4.4 hits per game, how many hits per game did she average in her last two games?
34	If it rains where I live, it rains all day long. The probability that it won't rain tomorrow is $\frac{2}{3}$. The probability that I won't go for a run tomorrow is $\frac{3}{5}$. What is the probability that I will go running in the rain tomorrow? Give your answer as a reduced fraction.
35	Trevor is chasing a raccoon. Trevor is an experienced tracker and a marathon runner and can maintain a 10 miles-per-hour (mph) jog for at least 5 hours. The raccoon can sprint at 20 mph for 30 minutes, but slows to a 5 mph trot afterwards. The raccoon can keep up this trot for at least 5 hours. If both start at the same time and place, how many minutes will it take Trevor to catch up to the raccoon again?
36	When 238 is divided by the natural number *n*, the quotient is 3 more than *n*, and there is no remainder. What is *n*?
37	Give the value or values of b that make the following equation true: 7b + 82 = -51
38	A large whole number is formed by stringing together the first 14 positive multiples of 8, in order. (For example, the first 3 digits of this number are 816.) How many digits are in the quotient when this large number is divided by 4?
39	Triscia had 12 jellybeans in a jar (orange ones, green ones, and purple ones). After she ate all the orange ones (but none of any other color), the probability of taking out a green jellybean by chance was twice as high as it was before she ate any jellybeans. How many orange jellybeans were there to start with, if 4 of her jellybeans were purple?
40	Two numbers are reciprocals of each other if their product is 1. What is the sum of the reciprocal of 20 and the reciprocal of 5? If your answer is not a whole number, give it as a reduced fraction.

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Team Multiple Choice Contest

Sean is at a train station in Seattle, studying the schedule of trains leaving Seattle:

Train number	Destination	Time of departure from Seattle	Time of arrival at destination	Ticket price (1-way)
172	Tacoma	12:50 pm	1:20 pm	$10
198	Vancouver	1:00 pm	5:47 pm	$25
217	Portland	11:30 am	4:30 pm	$55
302	Los Angeles	2:15 pm	10:45 pm	$95

All of these cities are in the same time zone, and all trains arrive at their destinations on the same day they leave Seattle.

1	How many minutes after noon does train number 198 depart? A) 50 B) 60 C) 1 D) -30 E) 135
2	How many hours does it take to get from Seattle to Los Angeles? A) $1\frac{5}{12}$ B) 2.25 C) $8\frac{1}{4}$ D) 8.5 E) 10.75
3	How many more minutes does it take to get to Portland than to Vancouver? A) 23 B) 24 C) 33 D) 34 E) Answer not given
4	The railroad track from Seattle to Portland is 300 miles long. How fast does train number 217 travel in miles per hour? A) 50 B) 55 C) 60 D) 65 E) Answer not given
5	Train number 217 is non-stop to Portland. At the same time as it leaves Seattle, another non-stop train leaves Portland for Seattle on the same track, and going the same speed. At 1:00 PM, how many miles apart are these two trains? A) 210 B) 180 C) 120 D) 90 E) Answer not given
6	How much would a ticket to Portland cost after 8% sales tax? A) $59.40 B) $59.50 C) $61.88 D) $70.30 E) $99.00
7	By how much does the cost per hour of the train to Tacoma exceed the cost per hour of the train to Portland? A) $6 B) $8 C) $10 D) $12 E) Answer not given
8	Sean can either take a train to Portland and back (at twice the price of the one-way ticket), or drive his car. He needs to drive 30 miles around Portland once he gets there. If he takes the train, he will need to rent a car in Portland, at a total cost of $50. The expense of driving his car is 30¢ per mile. How much would Sean save by taking the train? (Assume that the distance from Seattle to Portland by car is the same as the distance by train, namely 300 miles.) A) $29 B) $84 C) $20 D) nothing; it would be cheaper to drive E) answer not given
9	A round trip ticket to Los Angeles is 170% of the price of the one-way ticket. What is the price of a round trip ticket to Los Angeles? A) $108.57 B) $161.50 C) $66.50 D) $117.00 E) $165.00

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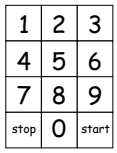
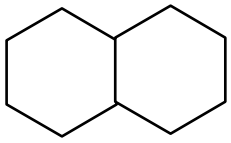
5th Grade – April 21, 2007

Team Contest

1	A cafeteria in Olympic Village had 16 tables, each with 6 chairs. When the cafeteria opened, 7 soccer teams (each with 11 players) came in and sat down. What is the largest number of tables that could have nobody sitting at them?
2	Find the value of (2 x 17) + (7 x 17) + (14 x 17) – (6 x 17) + (13 x 17).
3	Anna has $1.44, Brendan has 89¢, and Carey has as much money as Anna and Brendan put together. What is the largest total number of quarters that they could have altogether?
4	The radius of circle A is 10 centimeters. What is the diameter in centimeters of circle B, if B has twice the perimeter (circumference) of circle A?
5	Sammy is trying to make a sum of 100 by adding 2's together (2 + 2 + 2 + …, and so on). After he adds thirty-five 2's, he gets bored and starts adding 3's instead. How many 3's will he have to add to his previous sum to make 100?
6	Dennis was pulling a load of bricks in his toy wagon. After $\frac{2}{3}$ of the bricks fell off, he had 16 bricks left in the wagon. How many bricks did Dennis have in his wagon before any fell off?
7	The keypad of a microwave oven consists of squares arranged in a rectangle as shown in the diagram. On this keypad, we will say that numbers are in a row if they can be connected by a straight line passing through the centers of their squares, either horizontally, vertically, or diagonally. For example, 1, 2, and 3 are in a row horizontally, and 7, 5, and 3 are in a row diagonally. Subtract the smallest product that can be made by multiplying numbers in a row from the largest product that can be made by multiplying numbers in a row. 
8	Two congruent (identical) regular hexagons can be put together with no overlap, as shown, to form a figure with 10 sides. If three such hexagons are put together with no overlap, what is the least number of sides the resulting figure can have? 
9	A certain sausage recipe calls for $\frac{3}{4}$ of a pound of meat and $\frac{1}{2}$ cup of garlic. If want to use 6 pounds of meat to make this sausage, how many cups of garlic will I need? (If your answer is not a whole number, give it as a mixed number.)
10	Susan and Tanya each worked the same number of math problems last week Monday through Friday. On Monday, Tanya worked twice as many problems as Susan did, and on Thursday she worked 2/3 as many as Susan. Tanya didn't work any problems on Wednesday or Friday. Susan worked 15 problems each day. How many problems did Tanya work on Tuesday?

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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!*

	Practice Relay	Answer
Person 1	What is 2 times 6?	12
Person 2	What is the sum of TNYWG and the quotient of 21 divided by 7?	15
Person 3	What is the positive difference between the number of spades in a deck of cards and TNYWG?	2
Person 4	Find the product of TNYWG and $\frac{30}{2}$.	30
	Relay #1	Answer
Person 1	What is the probability of rolling an even number on a fair 6-sided die? Give your answer as a fraction.	$\frac{1}{2}$
Person 2	Find the product of TNYWG and the number of hooves on six cows.	12
Person 3	Find the positive difference between TNYWG and the number of diagonals that can be drawn in a pentagon.	7
Person 4	Find the sum of TNYWG and the smallest even number greater than 0 that has no remainder when divided by 7.	21
	Relay #2	Answer
Person 1	A bag contains only red and green marbles. The bag contains a total of 15 marbles of which 6 are red. How many green marbles are in the bag?	9
Person 2	How many dollars does Joel have in his pocket if he has TNYWG dimes, 5 quarters and 17 nickels?	3
Person 3	Find the sum of the first TNYWG positive even numbers.	12
Person 4	Find the product of TNYWG and the number of people spaced evenly around a circle and numbered 1, 2, 3… so that person 3 and person 7 are directly across from each other.	96

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Final Score:

KEY

School Name_____Team #_____

Proctor Name_____Room #_____ Division: ____

Mental Math Contest

MENTAL MATH - 30 seconds per question

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 51 divided by 51?	1
1.2	What is the number of degrees in the sum of the angles of a rectangle?	360 [°]
1.3	What is 12 minus 7 plus 6 minus 5 plus 1?	7
1.4	Find the number of square inches in the area of a square with side length 9 inches.	81 [in^2]
PERSON 2 NAME:		
2.1	How many degrees does the minute hand of a clock travel in one hour?	360 [°]
2.2	What is the product of 2, 7, and 3?	42
2.3	How many seconds have elapsed between 1:20 PM and 1:24 PM?	240
2.4	What is the largest remainder possible when you divide a positive whole number by 8?	7
PERSON 3 NAME:		
3.1	Find the sum of 45 and 17.	62
3.2	What is one-fourth of 88?	22
3.3	How many eggs are in 6 dozen eggs?	72 [eggs]
3.4	What is five thousand five hundred fifty-five minus four thousand four hundred forty-four?	1,111
PERSON 4 NAME:		
4.1	What is 24 divided by the product of 2 and 4?	3
4.2	How many centimeters are in a meter?	100 [cm]
4.3	What is 11 times 11?	121
4.4	Find the sum of fifty thousand plus five thousand five hundred plus fifty-five.	55,555

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Division 1

COLLEGE KNOWLEDGE BOWL ROUND #1

#	Problem	Answer
1	When E.T. tried to call home, he could remember only one hundred fifty digits of his seven-hundred-digit phone number. How many digits of his phone number did he forget?	550 [digits]
2	What is the number of units in the perimeter of a regular pentagon with side length 7 units?	35 [units]
3	Trevor likes to get 13 hours of sleep each night. It is now 8:15 AM, and he has been asleep since 10:10 PM last night. How many more minutes of sleep would Trevor like to get?	175 [minutes]
4	At the pet trade-in shop, you can trade two rats for one bat, or five bats for two cats. How many rats would you need to trade to get four cats?	20 [rats]
5	Danielle accidentally multiplied the three smallest positive square numbers when she wanted to add them. What is the difference between the answer she got and the answer she wanted?	22
6	What is the largest number that divides into both 12 and 18 with no remainder?	6
7	Anna and Andrew like to jump rope. Anna jumps 80 times per minute and Andrew jumps 70 times per minute. What is the total number of jumps that will occur in 30 seconds if both are jumping at the same time?	75 [jumps]
	Extra Problem – Only if Needed	
8	Express one-eighth as a decimal.	.125 or 0.125

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Division 1

COLLEGE KNOWLEDGE BOWL ROUND #2

#	Problem	Answer
1	One cup equals 8 fluid ounces. How many cups of soda are in a six-pack of 12-ounce cans of soda?	9 [cups]
2	David has 12 red socks, 4 green socks, 2 purple socks, and a yellow sock. How many socks does he need to pull from his drawer to guarantee that he gets a matching pair?	5 [socks]
3	What is the smallest whole number greater than the fraction seven halves, or seven over two?	4
4	Laura has seven dollars. Jan has four times as much money as Laura. How many more dollars does Jan have than Laura?	21 [dollars]
5	Yesterday it took Carlos 13 minutes to eat breakfast, 4 minutes to brush his teeth, 6 minutes to get dressed, and 17 minutes to get to school. How many hours did it take Carlos to get ready and go to school yesterday? Express your answer as a reduced fraction.	2/3 [hours]
6	When Alan multiplies his magic number by itself, he gets the same answer as when he adds his magic number to itself. If Alan's magic number is a counting number, what is it?	2
7	If Kyle has eight thousand dollars and it costs two hundred fifty dollars to buy an ounce of gold, how many pounds of gold can he buy?	2 [pounds]
	Extra Problem – Only if Needed	
8	Find the median of the following set of numbers: 2, 1, 5, 10, 0, 1, 2	2

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Division 1

COLLEGE KNOWLEDGE BOWL ROUND #3

#	Problem	Answer
1	What is the tens digit of the product of 23 and 37?	5
2	Yesterday there was no snow on the ground. Last night it snowed 6 inches, but half of it melted during the day today. If tonight it snows twice as much as it did last night, and none melts, how many inches of snow will be on the ground tomorrow morning?	15 [inches]
3	There are 25 orange trees in an orchard. The average number of oranges per tree is 26. Find the total number of oranges in the orchard.	650 [oranges]
4	Two consecutive odd whole numbers add up to 52. What is the positive difference between the two numbers?	2
5	Amanda multiplied three prime numbers less than 10 and got 42. Which prime number less than 10 did she leave out?	5
6	A wheel of a car has a circumference or perimeter of 9 feet. How many revolutions has the wheel made after the car has traveled 24 yards?	8 [revolutions]
7	There are only blue and red marbles in a bag. If the probability of drawing a blue marble by chance is five-eighths, what is the smallest possible number of red marbles in the bag?	3 [red marbles]
	Extra Problem – Only if Needed	
8	Find the sum of the first eight counting numbers.	36

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Division 2

COLLEGE KNOWLEDGE BOWL ROUND #1

#	Problem	Answer
1	Jasmine and Debbie are running a race. Jasmine runs 5 meters per second and Debbie runs 3 meters per second. How many meters ahead is Jasmine after 10 seconds if they started together?	20 [meters]
2	A cycling shop sells bicycles and tricycles. If there are 43 wheels in the shop and 7 tricycles, how many bicycles are in the shop?	11 [bicycles]
3	A tree grows one-third of a foot every year. How many years will it take for the tree to grow 16 inches?	4 [years]
4	Tony forgot his jacket at home and is now freezing cold. The first minute outside, he shivered once, and every minute thereafter he shivered twice as often as he did the minute before. How many times did Tony shiver during his fourth minute outside?	8 [times]
5	When you hold the number "one thousand one hundred one" up to a mirror, what number would you see in the mirror?	1011 [one thousand eleven]
6	Find the number of inches in the perimeter of a rectangle that is 4 inches by 5 inches.	18 [inches]
7	I put one ounce of fruit syrup into my drink for every three ounces of soda. If my drink is twelve ounces in all, how many ounces of fruit syrup did I use?	3 [ounces]
	Extra Problem – Only if Needed	
8	What time is it 84 minutes before 12:18 PM?	10:54 AM

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5th Grade – April 21, 2007

Division 2

COLLEGE KNOWLEDGE BOWL ROUND #2

#	Problem	Answer
1	Joel likes pies. When Joel makes pies he can choose between a flaky crust and a soft crust; apple, blueberry, or peach filling; and sugar or no sugar on top. How many different pies can Joel make?	12 [pies]
2	What is the median of the first 9 square numbers, given that the first square number is 1?	25
3	Find the difference between 153 and the sum of 20 and 12.	121
4	I have a square with area 64 square inches. If I add one inch to each side of my square to make a new square, what will be the area in square inches of my new square?	81 [square inches]
5	Teresa starts reading her book at the top of page 14 and reads through page 47. How many pages does she read?	34 [pages]
6	I buy two pounds of carrots, then feed 11 ounces of carrots to my pet rabbit. How many ounces of carrots do I have left?	21 [ounces]
7	A palindrome is a number that reads the same backwards as forwards. What is the smallest palindrome with three different digits?	10201
	Extra Problem – Only if Needed	
8	What is 30 less than the product of 6 and 5?	0

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5th Grade – April 21, 2007

Division 2

COLLEGE KNOWLEDGE BOWL ROUND #3

#	Problem	Answer
1	How many days are in 7 weeks and 3 days?	52 [days]
2	Find the sum of the digits of two thousand seven minus the product of the digits of two thousand seven.	9
3	I have cats, dogs, and goldfish for pets. If my 3 cats and my 2 dogs together represent one-fourth of all my pets, how many goldfish do I have?	15 [goldfish]
4	What is one-sixth of one-seventh of 42?	1
5	Three people sit around a circular table. In how many different orders can they arrange themselves?	2 [orders]
6	How many quarters does it take to make 24 dollars and 50 cents?	98 [quarters]
7	Emily has 10 friends and a lot of candy. She can give all her candy to her friends, dividing it equally among her friends with no candy left over, or she keep a share for herself and again split the candy up equally without any left over. What is the least number of pieces of candy Emily can have?	110 [pieces]
	Extra Problem – Only if Needed	
8	What is the smallest whole number by which I could multiply 99 so that the product would be larger than one thousand?	11

"Math is Cool" Championships – 2006-07

5th Grade – April 21, 2007

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	9		
2	41		
3	21		
4	7/12		
5	36.4		
6	100 [times]		
7	1284		
8	1		
9	8		
10	23		
11	[$] 28.25		
12	14.5 [units]		
13	225		
14	0		
15	February [or Feb.]		
16	4 [days]		
17	200 [cm^2]		
18	1/13		
19	30		
20	155		

	Answer	1 or 0	1 or 0
21	12 [pigs]		
22	16 [people]		
23	39		
24	6 [ways]		
25	46.75 [square inches]		
26	38		
27	9 [years]		
28	None		
29	120 [bites]		
30	28		
31	$3\frac{1}{2}$		
32	480		
33	5 [hits]		
34	2/15		
35	90 [minutes]		
36	[n =] 14		
37	-19		
38	29		
39	6 [jellybeans]		
40	1/4		

"Math is Cool" Championships – 2006-07

5th Grade – April 21, 2007

School Name_____Team #_____

Proctor Name_____Room #_____Division: _____

Final Score:
KEY

First Score

(out of 18)

Team Multiple Choice Contest – Score Sheet

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.

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	B		
2	D		
3	E [13]		
4	C		
5	C		
6	A		
7	E [$9]		
8	A		
9	B		

"Math is Cool" Championships – 2006-07

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School Name_____Team #_____

Proctor Name_____Room #_____Div: _____

Final Score:
KEY

First Score

(out of 20)

Team Contest – Score Sheet

TEAM TEST - 15 minutes

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.

DO NOT WRITE IN SHADED REGIONS

	Answer	2 or 0	2 or 0
1	3 [tables]		
2	510		
3	17 [quarters]		
4	40 [cm]		
5	10 [3's]		
6	48 [bricks]		
7	504		
8	12 [sides]		
9	4 [cups]		
10	35 [problems]		

"Math is Cool" Championships -- 2006-07

KEY

5th Grade – April 21, 2007

School:_____Team #_____

Proctor: _____ Room #_____Div _____

PRACTICE RELAY

Answer for person # 1	Answer for person # 2	Answer for person # 3	Answer for person # 4
12	**15**	**2**	**30**
1 or 0	1 or 0	1 or 0	2 or 0

RELAY # 1

Answer for person # 1	Answer for person # 2	Answer for person # 3	Answer for person # 4
1/2	**12**	**7**	**21**
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
9	**3**	**12**	**96**
1 or 0	1 or 0	1 or 0	2 or 0