"Math is Cool" Championships – 2004-05
Hosted by: Moses Lake High School Math Team
4th Grade – April 22, 2005
Individual Contest – Written by Gregg Sampson

GENERAL INSTRUCTIONS

Good sportsmanship is expected throughout the competition by all involved. Bad sportsmanship may result in disqualification. Calculators may not be used on any portion of this contest. Express all non-integer answers as fractions unless stated otherwise or it is a problem dealing with money and in that case, a decimal answer should be given. For 5th and 6th 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 B 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. This test is scored as a 1 or 0. Express all non-integer answers as fractions unless stated otherwise or it is a problem dealing with money and in that case, a decimal answer should be given. For 4th & 4th 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. Record your answers on the score sheet. No talking during the test.

Record all answers on the colored cover sheet.

1	Evaluate: 8 + 5
2	Evaluate: 181 – 97
3	Find the product of 8 and 7.
4	Find the quotient of 54 and 6.
5	Biff has 7 goldfish and his friend Eho has 9. How many more goldfish does Eho have than Biff?
6	Each clown holds the same number of balloons. Biff saw 72 balloons being held by 9 clowns. How many balloons was each clown holding?

7	Eho found a misfit square checkerboard that had 49 squares on it. How many squares are on each side of the checkerboard?
8	Colin and Josh found a bag of cookies under the bleachers after a math contest. On Monday, they gave the cookies to their friends. They gave half the total amount of cookies to Libbey, and then half of the remaining amount to Keisha. Colin and Josh had one cookie left over and gave it to Lee. How many cookies did Colin and Josh find under the bleachers?
9	Paul spends $2.50 a day for school lunch. How much, in dollars, does he spend in 4 days for school lunch?
10	Kai is planning a trip to Mathwood Theme Park. It is 80 miles to the park and he figures he will be able to travel at 40 miles per hour (mph). How long, in hours, should it take him to get to Mathwood?
11	What is the most number of 7¢ candies I can buy with one dollar?
12	What time is it 17 minutes before 1:08 p.m.?
13	What is the maximum number of times a line can intersect a circle?
14	Write down the largest 4 digit even number using only the digits 5, 7 and 8. Each of the three digits must be used at least once.
15	Sally had a cube that was made up of 125 smaller cubes. The cube was 5 by 5 by 5. Sally painted the outside of the 5 by 5 by 5 cube. How many smaller cubes have paint on only one side?
16	What is the remainder when 38 is divided by 5?
17	The math team decided to triple the number of members they send to English Camp this year. Eho pointed out that even if they triple the number of members going to English camp, it will still be the same number they sent last year. How many members went to English camp last year?
18	The radius of a circle is 3. What is the diameter of the circle?
19	Find the difference of 8371 and 7984.
20	What is the area of a right triangle with legs of length 8 and 7?
21	Is the sum of two odd numbers always odd, always even, or could it be either?
22	What is the mode of the following set of data? {8,8,9,11,11,11}
23	Frank gets 1 out of every 4 math questions correct at math contests. If Frank works out 120 math questions, how many would he expect to get correct?
24	The sum of the ages of Josh, Colin and Keisha is 51. What will be the sum of their ages in 7 years?

25	What is the units digit of the product of 829 and 768?
26	Teddy can do a math contest three times as fast as Kai. Kai can do the test in 6 hours and 15 minutes. How many hours and minutes does it take Teddy to do the test?
27	What is the mean of 16 and 80?
28	We know B $<$ C and A $<$ B. Is A $<$, $>$, or = to C?
29	What is the first prime number greater than 17?

Challenge Questions

30	What is the probability of drawing a red 4 out of a standard deck of 52 cards in one draw?
31	What is the sum of the next two numbers in the sequence: 3, 6, 12, 24, 48, …
32	When a certain number is divided by 8 the quotient is 3 and the remainder is 2. What is the number?
33	How many positive 3-digit numbers have at least two digits that are the same?
34	How many ways can you make $20.00 using $10, $5, and $1 dollar bills?
35	Kai, Teddy and Peter run a race. They are the only three running the race. The probability of Kai winning the race is 1/2. The probability of Teddy winning is 1/3. What is the probability that Peter will win the race?
36	Carl is planning a trip. He has figured out it will take him five days. The first day he will travel 150 miles, the second 100 miles, the third 50 miles, the fourth 200 miles, and the last day 100 miles. The rental car company rents cars for $40 per day plus 20 cents per mile. What will Carl's total car rental bill be, in dollars?
37	Mathville High has 50 students enrolled and every student is taking at least one math or science class. 25 of the students take only a math class while 7 take both math and science. How many students take only science?
38	256 basketball teams show up for a single elimination tournament. This means once a team loses, it is out of the tournament. What is the minimum number of *games* needed to be played before a winner is crowned?
39	A piece of paper with four edges is folded over once and then cut into two pieces along the fold. What is the minimum number of edges of the two pieces of paper?
40	A train traveling at 30 mph takes 8 seconds to completely enter a tunnel and 45 seconds to pass completely through the tunnel once it is completely entered. How many feet long is the tunnel?

"Math is Cool" Championships – 2004-05

Hosted by: Moses Lake High School Math Team

4th Grade – April 22, 2005

Team Multiple Choice Contest – Written by Amanda Hochstatter

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.

Sarah is trying to organize her movie collection. Below is a list of all the videos and DVDs she has, how long each one is, and who made the video.

Sarah's Collection

DVD/Video	Movie	Time	Company
Video	Jurassic Park	2 hrs 7 min	Universal Studios
DVD	Harry Potter 1	2 hrs 32 min	Warner Brothers
Video	Mulan	1 hr 28 min.	Disney
Video	Matrix	2 hrs 16 min	Warner Brothers
DVD	Finding Nemo	1 hr 40 min.	Disney
Video	Titanic	3 hrs 12 min	Paramount
DVD	The Lion King	1 hr 28 min.	Disney
Video	Apollo 13	2 hrs 20 min	Universal Studios
Video	Hook	2 hrs 22 min	Columbia Tri-star
DVD	A little Princess	1 hr 37 min.	Warner Brothers
Video	The Sound of Music	2 hr 52 min.	Fox
DVD	Star Wars 1	2 hr 13 min.	Fox

1	Sarah wants to watch all the Disney movies. How long will it take her to watch them, if she takes a 15 minute break between each movie? A) 5 hr 6 min B) 3 hr 26 min C) 3 hr 38 min D) 4 hr 36 min E) Answer not given
2	Sarah decides to watch all the DVDs. How long will it take her if she doesn't take any breaks? A) 34200 sec B) 93609 sec C) 36400 sec D) 46200 sec E) Answer not given

3	Videos cost $10.00 and DVDs cost $15.00. How much has Sarah spent on her collection? A) $135 B) $140 C) $145 D) $150 E) Answer not given
4	Sarah is thinking of buying her videos in DVDs. The DVDs are discounted by 10%. The original price per DVD was $15. How much would it cost Sarah to replace her videos if she gets the discount of 10%? A) $10.50 B) $70.00 C) $95.50 D) $157.40 E) Answer not given
5	Sarah wants to organize her movies on a shelf. How many different arrangements are possible if she wants to keep the DVD's together and the videos together? A) 12! B) (7!)(5!) C) (12!)(7!)(5!) D) (7!)(5!)(2!) E) Answer not given
6	Sarah wants to make a box for her videos and DVDs. The videos have dimensions of 8 in × 3.5 in × 1 in, and the DVDs have dimensions of 8 in × 5 in × $\frac{1}{2}$ in. What is the box with the smallest volume that will fit all of her DVDs and videos? A) 8 in × 8.5 in × 6 in B) 8 in x 1 in × 39.5 in C) 8 in × 9 in × 1 in D) 10 in × 16 in × 3.5 in E) 8 in x 9.5 in x 5 in
7	What company makes the longest films on average according to Sarah's collection? A) Warner Brothers B) Universal Studios C) Paramount D) Columbia Tri-star E) Fox
8	What is the mean or average length of the all the movies rounded to the nearest minute? A) 2 hrs 32 min B) 2 hrs 18 min C) 2 hrs 11 min D) 2 hrs 45 min E) Answer not given
9	How many days would it take to watch all the movies in a row? A) 1 day 9 min B) 1 day 2 hrs 7 min C) 1 day 2 hrs 3 min D) 2 days 2 hrs 4 min E) Answer not given

Sarah's Collection

DVD/Video	Movie	Time	Company
Video	Jurassic Park	2 hrs 7 min	Universal Studios
DVD	Harry Potter 1	2 hrs 32 min	Warner Brothers
Video	Mulan	1 hr 28 min.	Disney
Video	Matrix	2 hrs 16 min	Warner Brothers
DVD	Finding Nemo	1 hr 40 min.	Disney
Video	Titanic	3 hrs 12 min	Paramount
DVD	The Lion King	1 hr 28 min.	Disney
Video	Apollo 13	2 hrs 20 min	Universal Studios
Video	Hook	2 hrs 22 min	Columbia Tri-star
DVD	A little Princess	1 hr 37 min.	Warner Brothers
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DVD	Star Wars 1	2 hr 13 min.	Fox

"Math is Cool" Championships – 2004-05
Hosted by: Moses Lake High School Math Team
4th Grade – April 22, 2005
Team Contest – Written by Gregg Sampson

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. This test is scored as a 1 or 0. Express all non-integer answers as fractions unless stated otherwise or it is a problem dealing with money and in that case, a decimal answer should be given. For 4th & 4th 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	Your school won first place today. There were 12 members from your school and each person on the team shook hands with each other exactly once. How many handshakes occurred?
2	Evaluate: 18 + 5 – 4 – 7 + 9
3	Joel rolls three 5-sided dice with faces numbered 1 through 5. How many different sums of the faces are possible?
4	You and three of your friends went to a movie. All of you sat in one row together. How many different ways could you sit?
5	Paul went on a nature walk with his daughter during our yearly math retreat. Each step Paul takes is 3 feet long and each one of his daughter's steps is 16 inches long. Paul took 200 steps. How many steps did his daughter take?
6	How many edges does a triangular pyramid have?
7	If it is April, what month will it be 2005 months from now?
8	If an equal number of 2's, 3's, and 7's are added together to get 60, what is the total number of 2's used in the sum?
9	How many whole numbers greater than 12 and less than 55 cannot be written as the sum of two odd numbers?
10	What number, when added to 58, results in a sum of 124?

"Math is Cool" Championships – 2004-05

Hosted by: Moses Lake High School Math Team
4th Grade – April 22, 2005
Relay Contest – Written by Cameron Frederick

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	How many digits are in the number 74,389?	5
Person 2	Evaluate: TNYWG + 6	11
Person 3	Evaluate: TNYWG – 9	2
Person 4	Evaluate: 6 x TNYWG + 1	13
	Relay #1	Answer
Person 1	Multiply 4 and 3.	12
Person 2	What is the area of a square with a perimeter of TNYWG?	9
Person 3	Evaluate: TNYWG/3	3
Person 4	Evaluate: 4 + TNYWG/3	5
	Relay #2	Answer
Person 1	What is 3^2?	9
Person 2	What is TNYWG divided by 3?	3
Person 3	Evaluate: TNYWG x 16	48
Person 4	Evaluate: TNYWG – 32	16

"Math is Cool" Championships – 2004-05
Hosted by: Moses Lake High School Math Team
4th Grade – April 22, 2005

Final Score:
KEY

School Name_____Team #_____

Proctor Name_____Room #_____ Division: ____

Mental Math Contest – Written by Cameron Frederick

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	What is the sum of 8 and 4?	12
1.2	How many sides does a parallelogram have?	4
1.3	What is the difference between 17 and 3?	14
1.4	Reduce: 16 halves	8
PERSON 2 NAME:		
2.1	How many cups are in a gallon?	16 [cups]
2.2	What is one-half plus one-half?	1
2.3	Reduce: 8/12	2/3
2.4	True or False. The number 363 is divisible by 3.	True
PERSON 3 NAME:		
3.1	Find the product of 7 and 9.	63
3.2	What is the circumference of a circle with a radius of 6?	12π
3.3	What is the perimeter of a 7 by 6 rectangle?	26
3.4	How many times larger is the number 9 when compared to the number 3?	3
PERSON 4 NAME:		
4.1	Find the radius of a circle with an area of 16π.	4
4.2	What is the difference between 13 and 5?	8
4.3	How many centimeters are in a meter?	100 [cm]
4.4	Write one-fourth as a decimal.	0.25

"Math is Cool" Championships – 2004-05
Hosted by: Moses Lake High School Math Team
4th Grade – April 22, 2005
Division 1

COLLEGE KNOWLEDGE BOWL ROUND #1

Written by Kristina & Jie

#	Problem	Answer
1	One emu can eat $1\frac{1}{3}$ cheeseburgers in one day. How many cheeseburgers can three emus eat in three days?	12 [cheeseburgers]
2	What is the side length of a regular octagon with perimeter 32?	4
3	Fred's Friendly Farm has pigs and chickens. There are a total of twelve heads and forty legs. How many pigs are on the farm?	8 [pigs]
4	A circle of radius four centimeters fits exactly inside a square. Find the perimeter of the square, in centimeters.	32 [cm]
5	What is the area of a square with side length seven?	49
6	What time will it be 233 minutes after 11:27 pm?	3:20 am
7	How many sides does a decagon have?	10 [sides]
	Extra Problem – Only if Needed	
8	What is the probability of rolling a number less than three on a six-sided die?	2/6 or 1/3

"Math is Cool" Championships – 2004-05

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4th Grade – April 22, 2005

Division 1

COLLEGE KNOWLEDGE BOWL ROUND #2

Written by Kristina & Jie

#	Problem	Answer
1	How many years are in three and one-quarter centuries?	325 [years]
2	Courtney has three shirts: a pink one, a blue one, and a yellow one. She also has two skirts: a black one and a white one. If an outfit consists of one skirt and one shirt, how many different outfits can she make?	6 [outfits]
3	What is the probability of drawing a heart or the queen of spades from a standard deck of 52 cards? Give your answer as a fraction.	14/52 or 7/26
4	83 is 37 more than what number?	46
5	How many minutes are in a day?	1440 [minutes]
6	What is the perimeter of a rectangle with sides of length six and nine?	30
7	Joe is filling up a 30 gallon pool with a hose. The hose can pump five gallons in one minute. However, the pool drain is open while he fills, allowing two gallons of water to escape per minute. How many minutes does it take to fill the pool?	10 [minutes]
	Extra Problem – Only if Needed	
8	John can answer five questions in one minute, but two of them are always wrong. How many questions will be answered correctly if he answers 20 questions?	12 [questions]

"Math is Cool" Championships – 2004-05

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4th Grade – April 22, 2005

Division 1

COLLEGE KNOWLEDGE BOWL ROUND #3

Written by Kristina & Jie

#	Problem	Answer
1	Three times a number, minus four is equal to eight. What is the number?	4
2	What is the remainder when eighty-six is divided by seven?	2
3	How many different ways can you arrange the letters in the word "MATH"?	24 [ways]
4	What is the sum of one-sixth and five-twelfths?	7/12
5	What is the area in square feet of a plot of land thirteen feet wide by seventeen feet long?	221 [square feet]
6	If Farmer Bob has six chickens, four cows, and three sheep on his farm, how many animal feet are on the farm?	40 [feet]
7	If I count by sevens starting with 12, what will be the fourth number that I say?	33
	Extra Problem – Only if Needed	
8	If today is Tuesday, what day of the week will it be 17 days from now?	Friday

"Math is Cool" Championships – 2004-05

Hosted by: Moses Lake High School Math Team

4th Grade – April 22, 2005

Division 2

COLLEGE KNOWLEDGE BOWL ROUND #1

Written by Gregg Sampson

#	Problem	Answer
1	How many sides does a heptagon have?	7 [sides]
2	If Peter can ride his bike 10 miles in 20 minutes, what is his speed in miles per hour?	30 [mph]
3	What is the probability of rolling a sum of 7 with two six sided dice?	6/36 or 3/18 or 2/12 or 1/6
4	What is the product of three-fourths and two-thirds?	6/12 or ½
5	What is the remainder when 21 is divided by 8?	5
6	How many quarts are in 3 and one-half gallons?	14 [quarts]
7	What is 3 times 4 times 2?	24
	Extra Problem – Only if Needed	
8	What is the next number in the sequence 2,5,8,11,….	14

"Math is Cool" Championships – 2004-05

Hosted by: Moses Lake High School Math Team

4th Grade – April 22, 2005

Division 2

COLLEGE KNOWLEDGE BOWL ROUND #2

Written by Cameron Frederick

#	Problem	Answer
1	Brian is making lemonade. It takes 8 lemons to make a pitcher of lemonade. How many lemons will Brian need to make 4 pitchers of lemonade?	32 [lemons]
2	Isaac has 4 US State quarters in his pocket. One is of Georgia, one is of Pennsylvania, one is of Delaware, and one is of Indiana. What is the probability that Isaac will pull out the Pennsylvania quarter out of is pocket on the first try?	¼
3	What is the product of 11 and 18?	198
4	How many days are between and not including the dates March 11, 2004, and September 2, 2004?	174 [days]
5	Erica woke up at 7:34 AM to get ready for a Math is Cool competition. She had a long day figuring out tricky math problems. After the competition, Erica went to sleep that night 14 hours and 27 minutes after she had woken up that morning. What time did Erica go to sleep?	10:01 PM
6	What is the remainder when 1876 is divided by 3?	1
7	What is the tens digit when you multiply 1234 by 90?	6
	Extra Problem – Only if Needed	
8	Karl watches 7 red cars and 3 blue cars pass his house yesterday. What percentage of the cars he saw were red?	70 [%]

"Math is Cool" Championships – 2004-05

Hosted by: Moses Lake High School Math Team

4th Grade – April 22, 2005

Division 2

COLLEGE KNOWLEDGE BOWL ROUND #3

Written by Cameron Frederick

#	Problem	Answer
1	Amanda's mom cooked 12 cakes for her family. If Amanda eats 4 of the cakes, what fraction of the cakes is left for the rest of the family?	8/12 or 4/6 or 2/3
2	Evaluate: Twelve plus, six times four, minus three	33
3	A square has a side length of 15. What is the square's area?	225 [un^2]
4	What is the perimeter of a triangle with sides of length 4, 15, and 13?	32 [un]
5	Jacob is having a party and he invites 4 friends. He shakes the hand of every person as they arrive at the door. Then as people arrive they join Jacob at the door and shake the hands of each person that arrives after that. How many handshakes will have occurred after everyone has arrived?	10 [handshakes]
6	Sarah is sad because her little brother stole half of her stuffed animals. If she now has 27 stuffed animals left, how many stuffed animals did she originally have?	54
7	What is the difference between the numbers 3882 and 1928?	1954
	Extra Problem – Only if Needed	
8	Dino the dinosaur is 130 ft tall. How tall, in inches, is Dino?	1560 [inches]

"Math is Cool" Championships – 2004-05
4th Grade – April 22, 2005

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		Answer	1 or 0	1 or 0
1	13			21	Even		
2	84			22	11		
3	56			23	30 [questions]		
4	9			24	72 [years]		
5	2 [goldfish]			25	2		
6	8 [balloons]			26	2 hours, 5 minutes		
7	7 [squares]			27	48		
8	4 [cookies]			28	‹		
9	[$] 10.00			29	19		
10	2 [hours]			30	2/52 *or* 1/26		
11	14 [pieces]			31	288		
12	12:51 p.m.			32	26		
13	2 *or* Twice			33	252		
14	8758			34	9 [ways]		
15	54 [cubes]			35	1/6 or equivalent		
16	3			36	[$] 320.00		
17	0 [members]			37	18 [students]		
18	6 [un]			38	255 [games]		
19	387			39	6 [edges]		
20	28 [un^2]			40	1980 [feet]		

"Math is Cool" Championships – 2004-05
4th Grade – April 22, 2005

School Name_____Team #_____

Proctor Name_____Room #_____

Division: _____

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	A		
2	A		
3	C		
4	E		
5	D		
6	B		
7	C		
8	C		
9	B		

"Math is Cool" Championships – 2004-05
4th Grade – April 22, 2005

School Name_____Team #_____

Proctor Name_____Room #_____

Div: _____

Final Score:
KEY

First Score
(out of 10)

Team Contest – Score Sheet

DO NOT WRITE IN SHADED REGIONS

	Answer	1 or 0	1 or 0
1	66 [handshakes]		
2	21		
3	13 [sums]		
4	24		
5	450 [steps]		
6	6 [edges]		
7	May		
8	5 [2's]		
9	21 [numbers]		
10	66		

"Math is Cool" Championships -- 2004-05

4th Grade – April 22, 2005

School:_____Team #_____

Proctor: _____ Room #_____Div _____

PRACTICE RELAY

Answer for person # 1	Answer for person # 2	Answer for person # 3	Answer for person # 4
5	**11**	**2**	**13**
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
12	**9**	**3**	**5**
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**	**48**	**16**
1 or 0	1 or 0	1 or 0	2 or 0

"Math is Cool" Championships – 2004-05
Hosted by: Moses Lake High School Math Team
4th Grade – April 22, 2005

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	

"Math is Cool" Championships – 2004-05

4th Grade – April 22, 2005

Final Score:

School Name_____Team #_____

First Score

Proctor Name_____Room #_____

STUDENT NAME_____Division: _____

Individual Contest – Score Sheet
DO NOT WRITE IN SHADED REGIONS

	Answer	1 or 0	1 or 0		Answer	1 or 0	1 or 0
1				21			
2				22			
3				23			
4				24			
5				25			
6				26			
7				27			
8				28			
9				29			
10				30			
11				31			
12				32			
13				33			
14				34			
15				35			
16				36			
17				37			
18				38			
19				39			
20				40			

"Math is Cool" Championships – 2004-05
4th Grade – April 22, 2005

School Name_____Team #_____

Proctor Name_____Room #_____

Final Score:

First Score
(out of 18)

Division: _____

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" Championships – 2004-05
4th Grade – April 22, 2005

School Name_____Team #_____

Proctor Name_____Room #_____

Div: _____

Final Score:

First Score

(out of 10)

Team 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			