

Name: _____ Team #: _____
 School: _____

Individual Test	Answers	Score
1. Evaluate $5 \times 4 \times 3 \times 2 \times 1$	120	2 2
2. What is $3 + 4(2 + 2)^2$	67	2 2
3. Evaluate $357 + 753$	1110	2 2
4. Stephanie and Eden are best friends and live 40 miles apart from each other. How many minutes will it take Eden to get to Stephanie's house if she travels 50 miles per hour?	48 [min]	2 2
5. If Kirsten jumps rope 12 times in 15 seconds, how many times can she jump rope in 8 minutes?	384	2 2
6. 14 people went to the store. Each boy bought 5 pairs of socks and each girl bought 3 pairs of socks. If a total of 48 pairs of socks were bought, how many girls went to the store?	11	2 2
7. Kirsten and James are playing cards. Kirsten randomly picks a card and if it is a red card or a queen then she wins? What is the probability that Kirsten wins?	$\frac{7}{13}$	2 2
8. Solve for x: $5x + 9 = 3x - 2$	$-\frac{11}{2}$	2 2
9. Yes or No: Is $x + 3$ ever greater than $x + 4$?	No	2 2
10. Lance is climbing a tall mountain along a 135 km path. Every Monday, Wednesday, and Thursday he climbs 9 km, but every Friday he slides down 6 km. He does not move on other days. If he starts climbing on a Monday, how many days (including stopped days) will it take him to reach the top?	43	2 2
11. Find $37 \times 14 + 37 \times 19$	1221	2 2
12. I have 6 blue socks, 4 red socks, 8 green socks, 6 tan socks, and 2 black socks. What is the probability I will not pick a red sock if I pick one sock at random?	$\frac{11}{13}$	2 2
13. In Mary's school there is a teacher for every 24 students and among the students; there are twice as many girls as boys. If the school has 200 people, how many girls students are there?	128	2 2
14. The coins used in the land of Oompa are the dom, the fom, the lom and the rom. There are 4 doms to a fom, 2 foms to a lom, and 5 loms make 2 roms. How many doms are in 2 foms and 4 roms?	88	2 2
15. A rectangle has area 48. A square formed using the rectangle's larger side as one of it's sides has area 256. What is the perimeter of the rectangle?	38	2 2
16. Find x if $3(4x) = 2(2x + 12)$	3	2 2
17. Jonathan is trying to become a Pokémon master. If he has to catch 151 Pokémon and he catches 3 each day, what day will he become a Pokémon master, assuming he starts on a Tuesday?	Wednesday	2 2
18. Eleven students, numbered 1 through 11, are sitting in a circle. Starting with #1, every 5 th student still in the game is eliminated, i.e. #5, then #10, then #4 continuing around the circle. What number student is the last one left in the game?	#8	2 2

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19. Clarissa has 4 math assignments, 3 history assignments, and 13 Spanish assignments. If it takes her 6 minutes per math assignment, half of that time for each Spanish assignment, and four times the time she takes for a math assignment to complete a history assignment, and she starts her homework at 2 o'clock in the afternoon, what time will she be finished with all of her homework?	4:15 [PM]	2 2
20. Find x if: $\frac{x-1}{x+1} = \frac{4}{7}$	$\frac{11}{3}$	2 2
21. A wood turtle, a painted turtle, and a snapping turtle are in a pond. If a hand is placed into the pond, the turtles may bite it. The wood turtle and painted turtle will only bite the hand if they are hungry, the probabilities of which are $\frac{3}{5}$ and $\frac{5}{7}$, respectively. The snapping turtle will bite the hand unless asleep, the probability of which is $\frac{1}{9}$. If a hand is placed into the water, what is the probability of it being bitten by at least one turtle?	$\frac{311}{315}$	3 3
22. The food court sells popcorn, pizza and chips, which cost 50, 75, and 60 cents, respectively. Two-thirds of an item's cost is profit. If they sell 9 popcorn bags, 20 slices of pizza and 6 bags of chips how much profit will they make (in dollars)?	\$15.40	3 3
23. What is the largest factor of 10,000 that is NOT a multiple of 10?	625	3 3
24. Every time Pali goes to the doctor she gets a treat, if she breaks her leg she gets a hot dog, if she gets a shot she gets ice cream, and if she is sick she gets hot chocolate. Pali breaks her leg 3 times, gets 6 shots and is sick twice. If a hot dog costs \$2.50, an ice cream costs \$1.25 and her mom spends \$20.00 total how much does hot chocolate cost?	[\$]2.50	3 3
25. A sapphire is worth five times as much as a topaz. A diamond is worth twice as much as a ruby. An emerald is worth twice as much as a topaz and half as much as a ruby. Three opals are worth as much as two amethysts. A diamond worth three times as much as an amethyst. A topaz is worth half the cost of an opal. Of the 7 gems mentioned, which has the median price?	Amethyst	3 3
26. $x@y$ is defined as $x + \frac{y-x}{y}$. What is $(2@3) + (3@5)$?	$\frac{86}{15}$	3 3
27. In the first 20 games of the baseball season, the Mariners only won 30% of their games, how many consecutive games must they now win to bring their winning percentage to at least 60%?	15	3 3
28. Unicorns live by themselves and need a rectangular area exactly 20 x 30 meters to live. If I have a plot of land measuring 120 x 50 meters, how many unicorns can live within it?	10	3 3
29. Find the area of the triangle whose vertices are the points with coordinates (0,0), (4,1) and (1,4).	$\frac{15}{2}$	3 3
30. How many distinct ways can I rearrange the letters in the word "SEATTLE" if the T's have to remain together?	360	3 3
Total Score:	____ + ____	