

Name: _____ Team #: _____
 School: _____

Mental Math Test	Answers	Score
1. What is the volume of a cube with side length 7 feet?	343 [ft ³]	1 1
2. Evaluate $739 - 427$	312	1 1
3. Convert the infinitely repeating decimal $0.\overline{30}$ to a reduced fraction.	$\frac{10}{33}$	1 1
4. What is the second largest 2-digit prime number?	89	1 1
5. How many sides are in a nonagon?	9	1 1
6. How many inches are in 13 ft?	156 [in]	1 1
7. If Desi has 17 apples, Sydney had 26 mangos, Kirsten has 31 kiwis, and Simran has 11 oranges, how many pieces of fruit does the group have in total?	85	1 1
8. How many seconds are there in one hour?	3600	1 1
9. Express the sum $4\frac{5}{6} + 5\frac{5}{12}$ as a mixed number.	$10\frac{1}{4}$	1 1
10. Which is smaller: $\frac{19}{32}$ or $\frac{11}{19}$?	$\frac{11}{19}$	1 1
11. What is the perimeter of a square with area 9?	12	1 1
12. What is the area of a triangle with base 13 and height 17?	$\frac{221}{2}$	1 1
13. What is the greatest common divisor of 28 and 42?	14	1 1
14. If a strawberry costs \$0.18, how much do 9 strawberries cost?	\$1.62	1 1
15. Evaluate the quotient $3\frac{3}{4} \div 1\frac{2}{3}$	$\frac{9}{4}$	1 1
16. Evaluate $45^2 - 14$	2011	1 1
17. Simran is not having much luck lately. His car will only start 80% of the time, independently his motorcycle will only start 60% of the time. What is the probability that Simran's motorcycle won't start but his car does start today (express as a percent)?	32%	1 1
18. If the Mount Rainier Math Team puts out 104 rows with each row containing 96 chairs, how many chairs were put out?	9984	1 1
19. How many positive even integers are greater than 1102, but less than 2011?	454	1 1
20. Kirsten has 5 shirts, 3 pairs of jeans, and 2 pairs of boots. She wants to pack two shirts, one pair of jeans and a pair boots. In how many ways can this be done?	60	1 1
Total Score:		