

2020 Castro Valley Junior Math Tournament
Mental Math Test Grades 3-5

Student Name: _____ Grade: ____ Team Number: ____

#	Problems	Your Answers
1	Diego had 95 cookies, but then he gave 87 of them to Daniel. How many cookies does Diego have now?	
2	What number is 6 times the positive difference between 9 and 70?	
3	How many vertices does a cube have?	
4	Evaluate as a decimal : $14.1 + 1.298$	
5	What is the perimeter, in centimeters, of a square with sides measuring 2 cm?	
6	Round 2508.4186 to the nearest tenth.	
7	When my favorite number is increased by 72 and this result is multiplied by 5, the final result is 700. What is my favorite number?	
8	What is the missing term of the arithmetic (adding or subtracting) sequence 6, 22, 38, 54, _____, ...?	
9	How many days are in 7 weeks?	
10	What is the name for a polygon with 5 sides?	
11	What digit is in the thousands place of 9957.0566	
12	What is the volume, in cubic centimeters, of a cube with edges measuring 6 cm?	
13	What is the perimeter, in meters, of a parallelogram with sides measuring 7 m and 2 m?	
14	How many seconds are in 9 minutes?	
15	Evaluate: $6 + 6 \times 9$	
16	Evaluate as a fraction : $\frac{3}{6} - \frac{1}{8}$	
17	The Department of Motor Vehicles assigns license plates that are 4 digits (0-9) followed by 2 letters (A-Z). How many different license plates are possible?	
18	What is the smallest palindrome greater than 3950? A palindrome is a number that reads the same forwards or backwards, such as 121 or 3443.	
19	When one card is drawn from a standard 52-card deck, what is the probability that it is a red face card or the 2 of spades? Jacks, Queens, and Kings are considered face cards.	
20	How many two-digit numbers have the property that their tens digit is less than their ones digit?	

**DO NOT TURN OVER THIS
TEST UNTIL YOU ARE
INSTRUCTED TO BEGIN**

**ONLY USE A NON-ERASABLE
PEN**

**DO NOT DO SCRATCHWORK
ANYWHERE**

**DO NOT CHANGE ANY
ANSWERS AFTER YOU HAVE
WRITTEN THEM DOWN**