

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

#	Problems	Answers
1	Diego had 95 cookies, but then he gave 87 of them to Daniel. How many cookies does Diego have now?	8
2	What number is 6 times the positive difference between 9 and 70?	366
3	How many vertices does a cube have?	8
4	Evaluate as a decimal : $14.1 + 1.298$	15.398
5	What is the perimeter, in centimeters, of a square with sides measuring 2 cm?	8
6	Round 2508.4186 to the nearest tenth.	2508.4
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?	68
8	What is the missing term of the arithmetic (adding or subtracting) sequence 6, 22, 38, 54, ____, ...?	70
9	How many days are in 7 weeks?	49
10	What is the name for a polygon with 5 sides?	pentagon
11	What digit is in the thousands place of 9957.0566	9
12	What is the volume, in cubic centimeters, of a cube with edges measuring 6 cm?	216
13	What is the perimeter, in meters, of a parallelogram with sides measuring 7 m and 2 m?	18
14	How many seconds are in 9 minutes?	540
15	Evaluate: $6 + 6 \times 9$	60
16	Evaluate as a fraction : $\frac{3}{6} - \frac{1}{8}$	$\frac{3}{8}$
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?	6,760,000
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.	3993
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.	$\frac{7}{52}$
20	How many two-digit numbers have the property that their tens digit is less than their ones digit?	36