CATHOLIC SCHOOLS *in the* ARCHDIOCESE *of* NEW YORK
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Grade 7 Mathematics
Final Rubric

Multiple Choice

Question Number	Correct Answer	Standard Assessed
1	D	7.EE.1
2	A	7.EE.1
3	D	7.EE.3
4	C	7.EE.4a
5	D	7.G.1
6	B	7.G.4
7	C	7.SP.6

Question #8 (7.SP.2)

0	1	2
No answer given, or response is not aligned with the problem. **OR** The student has the correct answer but shows no work.	The student starts the process of finding the median of each class' data set. They potentially listed all of the numbers in order but didn't finish the process of finding the overall median **OR** they correctly crossed off entries from the provided lists without putting the numbers in order. The student can also get one point if they drew correct conclusions about class A having higher data but didn't ground their reasoning in the median.	The student showed all of their work and concluded that **Class B performed much better on this test based on the median.** They likely put all of the numbers of each data set in order to calculate the median. The **median of Class A was 77.5 and the median of Class B was 90**. It is clear to conclude from here that Class B had a higher average on the test. Also, the student might add that there were fewer scores below 80 to begin with.

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Question #9 (7.SP.7)

0	1	2
No answer given, or response is not aligned with the problem. **OR** The student has the correct answer but shows no work.	The student adds up the amount of blue rings and yellow rings to be 20, but doesn't understand how to compare this within the context of the probability.	The student showed all of their work and got the answer of ⅖. The student correctly added up the probability of yellow and blue rings and got 20. Using the information in the problem, they knew this was out of 50 cereal boxes. They correctly simplified their fraction to be ⅖, which shows their understanding of a probability lying between 0-1.

Question #10 (7.RP.3)

0	1	2
No answer given, or response is not aligned with the problem. **OR** The student has the correct answer but shows no work.	The student correctly begins solving the problem by first calculating the discounted price then calculates a 5% sales tax based on the discounted price but makes a calculation error along the way. **OR** Work shows that the student understands how to calculate sales tax and discounts but does so in the incorrect order. Ie: The student calculates the sales tax on the original price then calculates the discount post sales tax.	The student showed all of their work and got the answer of **$29.93.** The student correctly calculated the discounted price of $28.50. The student then calculated the 5% sales tax of the discounted price and got $29.93.

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Mathematics Rubrics and Scoring Policies

The 2022 Grades 3–8 Mathematics Tests will use the rubrics and scoring policies as shown in this guide.

2-Point Holistic Rubric

2 Points	A 2-point response includes the correct solution to the question and demonstrates a thorough understanding of the mathematical concepts and/or procedures in the task. This response • indicates that the student has completed the task correctly, using mathematically sound procedures • contains sufficient work to demonstrate a thorough understanding of the mathematical concepts and/or procedures • may contain inconsequential errors that do not detract from the correct solution and the demonstration of a thorough understanding
1 Point	A 1-point response demonstrates only a partial understanding of the mathematical concepts and/or procedures in the task. This response • correctly addresses only some elements of the task • may contain an incorrect solution but applies a mathematically appropriate process • may contain the correct solution but required work is incomplete
0 Points*	A 0-point response is incorrect, irrelevant, incoherent, or contains a correct solution obtained using an obviously incorrect procedure. Although some elements may contain correct mathematical procedures, holistically they are not sufficient to demonstrate even a limited understanding of the mathematical concepts embodied in the task.

* Condition Code A is applied whenever a student who is present for a test session leaves an entire constructed-response question in that session completely blank (no response attempted).