

RIT National Technical Institute for the Deaf Math Competition for Deaf and Hard-of-Hearing Students

RIT Regional Competition **Target Round** Problems 1 - 8

Name

DO NOT BEGIN UNTIL YOU ARE INSTRUCTED TO DO SO.

This section of the competition consists of 8 problems. You will have 20 minutes to complete all the problems. You are allowed to use a basic calculator. You are not allowed to use books or other aids during this round. Calculations may be done on scratch paper. All answers must be complete and legible. If the answer is expressed in common fraction, reduce the fraction to lowest terms. Record your final answer in the designated space on the problem sheet. The required unit for the answer is included. If you complete the problems before time is called, use the time remaining to check your answers.

Total Correct	Scorer's Initials		

2023 RIT Math Competition



- Evaluate the expression. Write your answer as a common 5. fraction.
 - $\frac{1}{4} \frac{2}{5} \left(\frac{3}{4}\right)$
- Ava bought 3 pounds of banana peppers and 4 pounds of 6. \$ 6. jalapenos. How much did she spend?

Type of Peppers	Cost per pound	
Jalapeno	\$1.79	
Bell	\$1.42	
Poblano	\$2.73	
Banana	\$2.49	

The pie chart below shows the number of sandwiches sold 7. at a cafeteria. What percentage of the sandwiches sold are peanut butter and jelly? Write your answer to the nearest tenth.



7.

%

5.

8.	A circular cake was cut into 16 congruent slices. If two	8.	degrees
	slices were eaten, what is the sum of the central angles of		
	the slices that were not eaten?		