PERIODICAL TEST

MATH 4- QUARTER 2

TABLE OF SPECIFICATION

COMPETENCIES/OBJECTIVES	No. of Days Spent	Weight	No. of Items	COGNITIVE PROCESS DIMENSION					
				R	U	AP	AN	E	C
				EASY		AVERAGE		DIFFICULT	
				ITEM PLACEMENT					
1. Multiplying numbers with and without regrouping: a. 3- to 4-digit numbers by a 1-digit number, and b. 2- to 3-digit numbers by 2-digit numbers, with products up to 1 000 000		**15%**	**6**	1,2	3,4	34,40			
2. Estimate the result of multiplying two numbers where the product is less than 1 000 000.		**7.5%**	**3**			5,6,35			
1. Solve multi-step problems involving one or more of the four operations with results of calculations up to 1,000,000, including problems involving money.		**5%**	**2**			7,8			
2. Divide two numbers with and without regrouping 3- to 4-digit numbers by 1-digit numbers		**7.5%**	**3**		9	37,38			
1. Divide two numbers with and without regrouping 2- to 3-digit numbers by 2-digit numbers.		**2.5%**	**1**		10				
2. Estimate the quotient when dividing 3- to 4-digit dividends by 1- to 2-digit divisors, by first estimating the dividends and divisors using multiples of 10		**7.5%**	**3**			11,12,39			
1. Perform two or more different operations by applying the MDAS rules.		**7.5%**	**3**			13,14,36			
2. Represent situations involving one or more of the four operations using a number sentence.		**2.5%**	**1**		15				
1. Convert common units of measure from larger to smaller units, and vice versa:		**7.5%**	**3**		16,17,18				

a. meter and centimeter, b. kilometer and meter, c. kilogram and gram, d. gram and milligram, and e. liter and milliliter.									
2. Solve problems involving the conversion of units of length, mass, and capacity. 1. Convert time measures from smaller to larger units, and vice versa: a. seconds to minutes, b. minutes to hours, c. hours to days, d. days to weeks e. weeks to months, and f. months to years.		**7.5%**	**3**	20,21	19				
2. Solve problems involving conversion of time 3. Find the elapsed time in hours and minutes 4. Solve word problems involving elapsed time in hours and minutes		**5%**	**2**			22,23			
1. Determine the basic concepts of fractions.		**2.5%**	**1**		24				
2. Differentiate a proper fraction from an improper fraction and mixed numbers. 3. Identify a given fraction as proper fraction, an improper fraction, and a mixed number.		**2.5%**	**1**		25				
4. Change improper fractions into mixed numbers, and vice versa.		**5%**	**2**		26,27				
6. Determine similar and dissimilar fractions		**2.5%**	**1**		28				
7. Add and subtract similar fractions two proper fractions, two mixed numbers, a mixed number and a proper fraction, a whole number and a proper fraction, and a whole number and a mixed number.		**12.5%**	**5**				29,30 31,32 33		
TOTAL		**100%**	**40**						