INOCENCIO SCHOOL Montessori Playschool
INOCENCIO INTEGRATED SCHOOL
"That every child finds joy and love for learning."
#1080 Dona Andrea I Subd., Bernal St. Rosario, Pasig City

FIRST QUARTERLY ASSESSMENT
MATHEMATICS 12
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Name: _____ **Score:** _____/70

Grade and Section: _____ **Date:** _____

Test I.

A. Identification. Identify what is being described in each statement. Write your answer on the space before each number (10 points).

A. Salary	**B. Benefits**	**C. Supply Chain**	**D. List Price**
E. Wage	**F. Fraction**	**G. Trade Discount Rate**	**H. Net Price**
I. Income	**J. Denominator**		

_____1. A network between a company and its suppliers to produce and distribute a specific product or service.

_____2. The percentage of the discount.

_____3. The price of the product without discounts.

_____4. Actual price a customer pays after deducting any trade discounts.

_____5. A fixed amount usually associated with employee compensation usually received on a monthly or semi-monthly basis, but it may be quoted in an annual sum.

_____6. Usually associated with employee compensation that is based on the number of hours/days worked multiplied by an hourly/daily rate of pay.

_____7. The total amount that people earn in exchange of the goods, employment, businesses, investments and professional services that they have rendered.

_____8. Employee compensation given by an employer other than the basic salary/wage. It may come in the form of cash or in kind.

_____9. Consists of two numbers separated by either a horizontal or diagonal line.

_____10. Indicates the number of parts into which one (1) is divided.

B. Write TRUE if the statement is correct and FALSE it is not.

_____11. The top part of a fraction is called numerator.

_____12. The lower part of a fraction is called denominator.

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_____13. The bar line of a fraction is called the vinculum.

_____14. To make solving easier, cancel out terms using the GCF of the given fractions.

_____15. To get the lowest term, you need to get the GCF and divide both numerator and denominator with it.

_____16. A fraction is a part of a whole.

_____17. To get the GCF, you need to get the multiples of the numbers.

_____18. To get the LCD, you need to get the factors of the numbers.

_____19. Fractions cannot have a higher numerator than the denominator.

_____20. Simply add the numerators and denominators if the given addends are similar fractions.

Test II.
A. Addition of fractions.Simplify the final answer.
Criteria:
Solution: 2pts
Answer: 3pts

21-25. $\frac{16x^2}{x+7} + \frac{4x}{x+7}$

26-30. $\frac{4}{x} + \frac{x+3}{x+2}$

B. Subtraction of fractions.
Criteria:
Solution: 2pts
Answer: 3pts

31-35. $\frac{10x^3}{x+5} - \frac{2x}{x^2+10x+25}$

36-40. $\frac{13x^2}{x+7} - \frac{4}{x^2-49}$

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C. Multiplication of fractions.
Criteria:
Solution: 2pts
Answer: 3pts

41-45. $\frac{x+6}{x^2-25} \; X \; \frac{x+5}{x^2+12x+36}$

46-50. $\frac{x^2+16x+64}{x^2+2x} \; X \; \frac{2x^2+8x+8}{x^2+10x+16}$

D. Division of fractions.
Criteria:
Solution: 2pts
Answer: 3pts

51-55. $\frac{121x}{144x} \div \frac{11x}{12x}$

56-60. $\frac{x^2+18x+81}{x^2+6x} \div \frac{x^2-81}{x+6}$

VI. Answer the following with 2-3 sentences.

61-65. In simplifying polynomial fractions, we need to distribute the factors in order for us to get the right product. As a student how do you distribute your time properly in studying and in personal life?

66-70. What is the importance of studying Business Math?

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