



Saint John School
San Juan, San Ildefonso, Bulacan
SECOND PERIODIC TEST
FIRST QUARTER
MATHEMATICS VI

Name: _____
Teacher: Elizabeth C. Regala

Grade and Section: _____
Score: _____

I. Express the ratio in three ways.



Given	Fraction	Colon	To
fries and burger	1.	2	3.
spaghetti and donut	4.	5.	6.
burger and ice cream	7.	8.	9.
chicken joy and cake	10.	11.	12.
donut and fries	13.	14.	15.
burger and chicken	16.	17.	18.
ice cream and spaghetti	19.	20.	21.
cake and hotdog buns	22.	22.	23.

II. Read each item carefully. Write T if it is true and F if it is not.

_____ 24. Ratio is a comparison of two numbers or quantities.

_____ 25. Ratio is used to express how many times one quantity is bigger or smaller than the other.

_____ 26. The numbers in ratio is called terms.

_____ 27. Ratio deals with relationship between two quantities.

_____ 28. Equivalent rate are ratios that express the same relationship between numbers.

_____ 29. Equivalent ratio is a rate in which the denominator is 1 unit.

_____ 30. Population rate defined as the population per square kilometer.

III. Identify whether the following are equivalent ratio. Write E for equivalent and X if it is not.

_____ 31. $3:4 = 6:8$

_____ 32. $9:4 = 8:18$

_____ 33. $24:8 = 9:3$

_____ 34. $2:16 = 5:8$

_____ 35. $4:150 = 2:75$

_____ 36. $5:2 = 10:5$

_____ 37. $1:3 = 2:6$

_____ 38. $5:10 = 2:5$

_____ 39. $6:2 = 12:4$

_____ 40. $9:3 = 4:1$

IV. Find the equivalent ratio for each given ratio. Write the answer in the blank.

41. $5:10 = \underline{\hspace{1cm}} : \underline{\hspace{1cm}}$

42. $3:4 = \underline{\hspace{1cm}} : \underline{\hspace{1cm}}$

43. $6:2 = \underline{\hspace{1cm}} : \underline{\hspace{1cm}}$

44. $8:5 = \underline{\hspace{1cm}} : \underline{\hspace{1cm}}$

45. $9:15 = \underline{\hspace{1cm}} : \underline{\hspace{1cm}}$

46. $\underline{\hspace{1cm}} : \underline{\hspace{1cm}} = 8:10$

47. $\underline{\hspace{1cm}} : \underline{\hspace{1cm}} = 2:3$

48. $\underline{\hspace{1cm}} : \underline{\hspace{1cm}} = 3:8$

49. $\underline{\hspace{1cm}} : \underline{\hspace{1cm}} = 4:5$

50. $\underline{\hspace{1cm}} : \underline{\hspace{1cm}} = 2:6$

V. Simplify the following ratio.

51. $5/25 = \underline{\hspace{2cm}}$

52. $4/48 = \underline{\hspace{2cm}}$

53. $30/90 = \underline{\hspace{2cm}}$

54. $9/99 = \underline{\hspace{2cm}}$

55. $15/45 = \underline{\hspace{2cm}}$

VI. Solve the following to get the unit price of the following.

55-58. The selling price of 4 t-shirts at bazaar is Php.1,500. Find the unit price of the t-shirt.

59-61. In 2020, a security guard in the Bulacan receives a wage of Php.18,600 for 8 days of work. What is the daily wage rate?

64-67. Teacher Beth pays for Php.1,500 of 15 kg of peanuts. What is the unit price of the peanuts?

68-70. The selling price of 12 t-shirts at night market is Php.3,960. Find the unit price of the t-shirt.