



**Saint John School**  
San Juan, San Ildefonso, Bulacan  
**MONTHLY TEST**  
**THIRD QUARTER**  
**MATHEMATICS VI**

Name: \_\_\_\_\_ Grade and Section: \_\_\_\_\_  
Teacher: Elizabeth C. Regala Score: \_\_\_\_\_

**I. Complete the following ratio by supplying the missing term.**

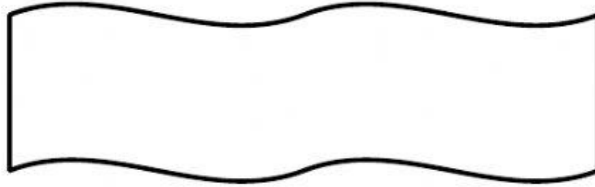
1.  $2 : 3 = \underline{\hspace{2cm}} : 9$
2.  $4 : 5 = 20 : \underline{\hspace{2cm}}$
3.  $8 : 4 = \underline{\hspace{2cm}} : 1$
4.  $1 : 7 = \underline{\hspace{2cm}} : 49$
5.  $2 : 7 = 10 : \underline{\hspace{2cm}}$
6.  $20 : \underline{\hspace{2cm}} = 40 : 10$
7.  $5 : \underline{\hspace{2cm}} = 10 : 20$
8.  $\underline{\hspace{2cm}} : 5 = 10 : 25$
9.  $\underline{\hspace{2cm}} : 6 = 28 : 84$
10.  $\underline{\hspace{2cm}} : 24 = 11 : 12$

**II. Identify whether the given numbers are proportion or not. Write **PROPORTION** if it is proportion and **OOPS** if it is not.**

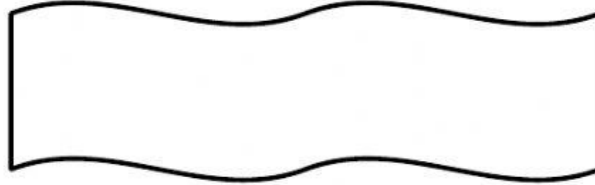
- \_\_\_\_\_ 11.  $5 : 15$  and  $10 : 30$
- \_\_\_\_\_ 12.  $16 : 4$  and  $25 : 5$
- \_\_\_\_\_ 13.  $10 : 15$  and  $20 : 25$
- \_\_\_\_\_ 14.  $20 : 60$  and  $30 : 90$
- \_\_\_\_\_ 15.  $5 : 10$  and  $100 : 300$
- \_\_\_\_\_ 16.  $12 : 10$  and  $24 : 20$
- \_\_\_\_\_ 17.  $75 : 25$  and  $10 : 35$
- \_\_\_\_\_ 18.  $30 : 300$  and  $70 : 700$
- \_\_\_\_\_ 19.  $12 : 24$  and  $6 : 12$
- \_\_\_\_\_ 20.  $20 : 30$  and  $40 : 50$
- \_\_\_\_\_ 21.  $100 : 1$  and  $20 : 200$
- \_\_\_\_\_ 22.  $5 : 25$  and  $12 : 60$
- \_\_\_\_\_ 23.  $20 : 140$  and  $11 : 77$
- \_\_\_\_\_ 24.  $16 : 4$  and  $100 : 20$
- \_\_\_\_\_ 25.  $4 : 8$  and  $2 : 4$

**Read and solve the problem carefully. (3pts. each)**

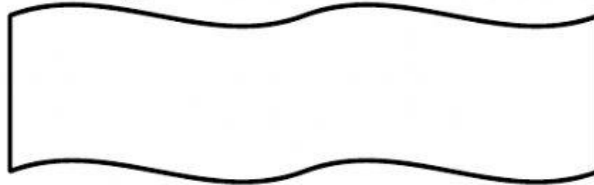
**26-28.** In the university in Manila, the teacher to students ratio is 1 : 35. How many students are there if there are 22 teachers?



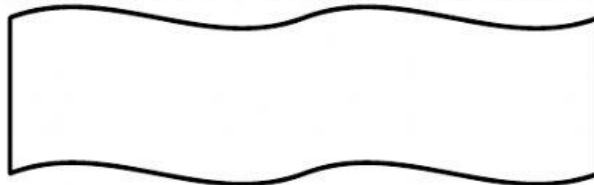
**29 – 31.** A car uses 5 liters of gasoline for a distance of 110 km. At this rate, how many liters of gasoline will the car consume for a distance of 165 km.



**32-34.** A woman can burn approximately 300 calories by walking up and down the stairs for about 30 minutes. About how long it will take her to burn 900 calories?



**35-37.** The ratio of baseballs to tennis balls in the box is 8 is to 7. My mom brings in 5 more baseballs. What will happen to the ratio of basketballs to tennis balls?



**38-40.** You can buy a Mathematics book for Php.400. How many can you buy for Php.1, 600?

