ST. LAWRENCE HIGH SCHOOL
A Jesuit Christian Minority Institution

Sub: Arithmetic   **Class: 7**   **Date: 06.07.20**
Duration: 40 Min   **Worksheet Solution 50**   **Full Marks: 15**
Ratio and Proportion

Choose the correct options:

1. Patrick has 2 black, 3 red, and 5 white toy cars. What is the ratio of red toy cars to all the toy cars?
   (a) 3:5
   (b) 1:3
   (c) 3:11
   (d) 3:10

2. Tommy has a bag of LEGOS. There are 6 yellow, 3 red, and 8 blue LEGOS. What is the ratio in simplest form of red to yellow LEGOS?
   (a) 1/2
   (b) 6/3
   (c) 2/1
   (d) 3/6

3. I paid $15.00 for 6 gallons of gasoline.
What was the price PER gallon?
   (a) $0.40
   (b) $9.00
   (c) $2.50
   (d) $0.90

4. If Justin can type 408 words in 4 minutes, how many words can he type per minute?
   (a) 102 words per minute
   (b) 100 words per minute
   (c) 400 words per minute
   (d) 412 words per minute

5. Ella has 5 balloons. Taylor has 7 balloons. Write the ratio of Ella's balloons to Taylor's balloons.
   (a) 7:5
   (b) 5:7
   (c) 3:5
   (d) 5:3

6. Which one is a real life example of a RATIO?
   (a) 12 noodle
   (b) 4 meatballs : 1 cup of sauce
   (c) 1 jar of sauce
   (d) 15 desserts

7. What is an equivalent ratio to 3/4?
   (a) 1/4
   (b) 4/5
   (c) 12/16
   (d) 14/18

8. What is the simplest form of 8/16?
   (a) 1.2
   (b) 1/2
   (c) 2/1
   (d) 1/0.2

9. In my fish tank, the ratio of red fish to blue fish is 3:5. There are 20 blue fish. How many red fish are there?
   (a) 10
   (b) 12
   (c) 15
   (d) 18

10. In two boats there are 108 people. How many people are there in each boat?
  - (a) 216
  - (b) 108
  - (c) 162
  - **(d) 54**

11. Who walks at a faster rate: someone who walks 60 feet in 10 seconds or someone who walks 42 feet in 6 seconds?
  - (a) Someone who walks 60 feet in 10 seconds
  - **(b) Someone who walks 42 feet in 6 seconds**
  - (c) They walk at the same rate
  - (d) They have broken legs

12. A sixth-grade math teacher can grade 25 homework assignments in 20 minutes. Is he working at a faster rate or slower rate than grading 36 homework assignments in 30 minutes?
  - (a) Slower rate
  - **(b) Faster rate**
  - (c) He didn't grade them
  - (d) Everyone got 100

13. You own a restaurant. You want to do some advertising, so you hire 2 students to deliver takeout menus around town. One student, Darla, delivers 350 menus in 2 hours, and another student, Drew, delivers 510 menus in 3 hours. You promise a $10 bonus to the fastest worker since time is money in the restaurant business. Who gets the bonus?
  - (a) Drew delivers menus at a faster rate
  - **(b) Darla delivers menus at a faster rate**
  - (c) They deliver at the same rate
  - (d) They both just ate food

14. Crayola crayons $6.97 for 120

or

Rose Art crayons $1.53 for 24

Finding the unit price of each and choose the better deal.
  - (a) Crayola
  - **(b) Rose Art**
  - (c) Both are equal
  - (d) Can't say

15. Jim pays $22.10 for 2.6 pounds of salmon. What is the price per pound of the salmon?
  - (a) $57.46
  - **(b) $8.50**
  - (c) $19.50
  - (d) $24.70