ST. LAWRENCE HIGH SCHOOL
A Jesuit Christian Minority Institution

Sub: Arithmetic   **Class: 7**   **Date: 27.06.20**
Duration: 40 Min   **Worksheet 43**   **Full Marks: 15**
UNITARY METHOD

Choose the correct options:

1. If 12L of petrol is used by a bike in covering a distance of 222km, how much distance will it cover in 22 L of petrol
   (a) 407
   (b) 507
   (c) 410
   (d) 412

2. The weight of 56 books is 8kg. What is the weight of 154 such books?
   (a) 22kg
   (b) 23kg
   (c) 30kg
   (d) 35kg

3. By travelling through a train, it costs Rs230 for 184km. How much will it cost on travelling 525 km
   (a) 656.25
   (b) 665.25
   (c) 566.25
   (d) 600.25

4. The amount of money earned on a job is directly proportional to the number of hours worked. If $70.00 is earned in 5 hours, how much money is earned in 22 hours of work?
   (a) $2
   (b) $308
   (c) $1.57
   (d) $265

5. The time to complete a project varies inversely with the number of employees. If 3 people can complete the project in 7 days, how long will it take 5 people?
   (a) 4.2
   (b) 3
   (c) 5
   (d) 6

6. The time needed to travel a certain distance varies inversely with the rate of speed. If it takes 8 hours to travel a certain distance at 36 miles per hour, how long will it take to travel the same distance at 60 miles per hour?
   (a) 4.8
   (b) 5
   (c) 6
   (d) 5.2

7. The cost of 7 toys is $ 294. Find the cost of 2 toys.
   (a) 80
   (b) 84
   (c) 79
   (d) 40

8. The cost of 12 kg of sugar is $ 240. What will be the cost of 3 kg of sugar?
   (a) 60
   (b) 70
   (c) 50
   (d) 66

9. The annual rent of a house is $ 3600. Find the rent of 5 months.
   (a) 3000
   (b) 2000
   (c) 1500

(d) 120000

10. If 10 bananas cost Rs 20 what is the cost of 7 bananas
    (a) Rs 7
    (b) Rs 14
    (c) Rs 10
    (d) Rs 20

11. If 5 kg of sugar cost AED 55 what is the cost of 8 kg of sugar?
    (a) AED 11
    (b) AED 188
    (c) AED 88
    (d) AED 156

12. If four bicycle lamps cost £16 how much would seven lamps cost?
    (a) 28 GBP
    (b) 36 GBP
    (c) 48 GBP
    (d) 42 GBP

13. A student can swim seven lengths in 28 minutes. At the same speed how long would it take her to swim six lengths?
    (a) 24 min
    (b) 44 min
    (c) 28 min
    (d) 180 min

14. The song "Out of Reach" is put on repeat play. If eighteen plays of the track last 63 minutes how many minutes would four plays take?
    (a) 14mins
    (b) 21mins
    (c) 28mins
    (d) 283mins

15. If twenty one workers can dig 294 holes in an hour. How many holes could thirty one workers dig in an hour?
    (a) 434
    (b) 343
    (c) 242
    (d) 421