Primrose Schools
ICSE Curriculum
(A Unit of Primrose Educational Trust, Chennai)
An ISO 9001:2015 Certified Institution

State Purpose of Worksheet – Alternate Worksheet 2 [2019-2020]

[KG Class work/Home Assignment/Alternate Class work/ Revision Test/Internal Assessment/Formative Assessment/ Summative Assessment/Preboard]

Name:	**Std: VI**	**Subject: Mathematics**
Date:	**Term: III**	**Topic: HCF, Fractions, Algebraic Equation**
Maximum Marks: NA	**Time Duration: 45 min**	**Type of Assessment (if internal assessment):NA**

Answer the following questions.

1. Using division method, find the HCF of the following.
   a) 32, 56 and 76 b) 70, 80, 120 and 150
2. Find the smallest number which when divided by 12, 15, 18 and 24 leaves no remainder.
3. Two numbers are in the ratio of 9:2. If the smaller number is 320, find the larger number.
4. In a club having 360 members, 40 play carom, 96 play table tennis, 144 play badminton and remaining members play volley-ball. If no member plays two or more games, find the ratio of members who play:
   i) carrom to the number of those who play badminton.
   ii) badminton to the number of those who play table-tennis.
   iii) table- tennis to the number of those who play volley-ball.
   iv) volley-ball to the number of those who play other games
5. In a particular week, a man works for 48 hours and earns Rs. 4320. But in the next week, he worked 6 hours less, how much he earned in this week?
6. Evaluate: (a) 0.038 x 95
   (b) 37.188 ÷ 6
   (c) 16.5 x 20.64

7. Complete the following table.

Item	cost per kg	Quantity	Amount
(*i*) A	Rs. 17.40	2.5 kg	.....
(*ii*) B	Rs. 42.25	1.6 kg	.....
(*iii*) C	Rs. 28.50	3.2 kg	.....
		Total =	.....

8. Simplify the given fractions.

(a) $\frac{3}{7} \times \frac{5}{9} \times 4\frac{1}{5}$ (b) $4\frac{1}{2} \div \frac{4}{9}$

9. Solve each of the following Linear equation

(i) $z+2=4\frac{1}{5}$ (ii) $m+3\frac{1}{2}=4\frac{1}{4}$

10. Write an algebraic expression for each of the following.

(i) If 1 metre cloth costs ₹ *x,* then what is cost of 6 metre cloth?

(ii) If the cost of a notebook is ₹ x and the cost of a book is ₹ y, then what is the cost of 5 notebooks and 2 books?

11. (i) Ram's bank balance is Rs.500 more than 3 times his friend's bank balance. If his friend's bank balance is 'y', what is Ram's bank balance.

(ii) The Length of a rectangular hall is 4 metres less than 3 times the breadth of the hall. What is the length, if the breadth is 'b' metres?

12. Write an algebraic expression for each of the following.

(i) If the length of a side of a regular pentagon is x cm, then what is the perimeter of the pentagon?

(ii) The score of Ragini in mathematics is 23 more than two – third of her score in English. If she scores x marks in English, what is her score in Mathematics?

13. If Arshad earns ₹ x per day and spends ₹ y per day, then his saving for the month of March?

14. Solve each of the following Linear equation.

(i) $y + 8 = 5$

(ii) $m+3\frac{1}{2}=4\frac{1}{4}$