



Primrose Schools

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

State Purpose of Worksheet – Alternate Worksheet 1 [2019-20]

[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: NA
Maximum Marks: NA	Time Duration: 45 min	Type of Assessment (if internal assessment):NA

I. Answer the following

- Using the prime factorisation method find the HCF and LCM of:
 - 24 and 49
 - 12, 6 and 28
 - 40, 60 and 80
- Find the LCM using a method of your choice:
 - 100, 150 and 200
 - 34, 85 and 51
- Find which of the following number(s) are divisible by 6:
 - 324
 - 2010
 - 33278
 - 15505
- Is the ratio of 6g and 15g the same as the ratio of 36cm and 90cm?
- The ratio of the number of girls to the number of boys in a school is 2:5. If the number of boys is 225, find: (i) the number of girls in the school (ii) the number of students in the school
- Rohit travels 350 km in 5 hours. Find:
 - his speed
 - the time taken to cover 210 kms
- Simplify:
 - $52.9 - 231.666 + 204$
 - $8.57 - 6.4432 + 0.683 - 1.70$
- What will be the total length of cloth required to make 5 shirts, if 2.15 m of cloth is needed for each shirt?
- Arrange in descending order:
 - $\frac{2}{3}, \frac{5}{9}, \frac{5}{6}, \frac{3}{8}$
 - $\frac{1}{3}, \frac{2}{5}, \frac{3}{4}, \frac{1}{6}$
- Out of 500 oranges in a box, $\frac{3}{25}$ are rotten and $\frac{1}{5}$ are kept for some guests. How many oranges are left in the box?

11. Change the following fractions to like fractions:

(a) $\frac{2}{7}, \frac{7}{8}, \frac{5}{14}, \frac{9}{16}$

(b) $\frac{5}{6}, \frac{7}{8}, \frac{11}{12}, \frac{3}{10}$

12. Give expressions for the following cases.

a) 71 added to m

b) 99 subtracted from m

c) n multiplied by 8

d) p divided by 10

e) Number 5 added to three times the product of number m and n.

f) - x divided by 11

g) z multiplied by - 5

13. Find the solution of equation $3x = 12$ by trial and error method.

14. Solve and check the result $3(a+3) + 3(a-1) = 5(a+5)$

15. If $x = 4$, Evaluate:

i) $3x+4$

ii) $x^2 - 2x$

16. If $x = 2$ and $y = - 4$ Evaluate,

i) $5x^2 y$

ii) $8x^2$