

Himalaya International School  
Subject -Mathematics  
Class- VI  
Chapter – 4 (Playing with Numbers)  
Chapter – 7 (Introduction to Algebra)  
Practice Assignment- 1

Q1. Pick the odd one out.

(a) 1000 (b) 1001 (c) 2000 (d) 3000

Q2. Find the literal coefficient of  $13pqr$ .

(a)  $pqr$  (b) 13 (c) -13 (d)  $-pqr$

Q3. LCM of co – prime numbers  $y$  and  $z$  is \_\_\_\_\_.

(a) 0 (b) 1 (c)  $yz$  (d)  $y + z$

Q4. On adding  $-3t$ ,  $5t$ ,  $-4t$ ,  $3t$ , we get \_\_\_\_\_.

(a)  $t$  (b)  $-t$  (c)  $2t$  (d)  $-2t$

Q5. Which of the following number is not a factor of 36?

(a) 2 (b) 4 (c) 18 (d) 8

Q6.  $t - (-4t + 3t) =$  \_\_\_\_\_

(a) 0 (b)  $-2t$  (c)  $t$  (d)  $2t$

Q7. Find the prime factor of 24.

Q8. Multiply the following monomials.

(a)  $7fg$ , 0,  $-6fg$  (b)  $3s$ ,  $5st$

Q9. Find the HCF of 24, 36, 72 and 144 using continued division method.

Q10. If  $a = 1$ ,  $b = 2$ ,  $c = -3$ , find the value of

(a)  $3(a+b)$  (b)  $4c + 7$

Q11. Find the greatest number that divide 262 and 330 leaving a remainder of 6 in each case.

Q12. How many days are there in  $K$  fortnights?

Q13. Find the HCF and LCM of 32, 48 and 60.

Q14. Write the following equations as statements.

(a)  $2s = 8$  (b)  $3(a+5) = 18$

Q15. The product of two numbers is 810 and their LCM is 90. Find their HCF.

Q16. Solve the following equations.

(a)  $m - 4 = 2\frac{6}{7}$

(b)  $11a = 12 + 13 + 8$

Q17. Music gives students unique opportunities to express themselves creatively and build confidence.

Benubala and Hardarsh have their music classes today. Benubala goes to the music class every 3 days and Hardarsh goes to his music class every 4 days. When will be the earliest day of their classes happening on the same day?

Q18. Kairav is 8 years older than his brother Sunil. If Kairav's age is 80 years, Find Sunil's age.

Q19. A cuboid has three dimensions such as length, width, and height. A perfect cuboid is said to be a cuboid that has integer edges.

The length, breadth and height of a cuboid is 45 cm, 85 cm and 115 cm respectively. Find the length of the longest tape which can measure the three dimensions exactly.

Q20. (a) Find the sum of  $p$ ,  $-5p$ ,  $3r$  and  $6r$ .

(b) Subtract  $-2a$  from  $5a$ .