

SUMMER VACATION HOLIDAY HOMEWORK (2020-21)

CLASS- 6

1. Write each of the following numbers in words:

(i) 34,20,019 (ii) 3,05,09,900 (iii) 6,60,60,060

2. Write each of the following numbers in expanded form:

(i) 15,768 (ii) 24,05,609 (iii) 9,10,10,510

3. What comes just after 956799?

4. What comes just before 9900000?

5. What comes just before 10000000?

6. Round each of the following numbers to the nearest ten:

(i) 173 (ii) 16378

7. Estimate each sum to the nearest hundred:

(i) $236 + 689$ (ii) $458 + 324$ (iii) $170 + 395$

8. What are prime numbers? Give ten examples.

9. What are twin primes? Write all the pairs of twin primes between 50 and 100.

10. Test the divisibility of the following numbers by 4:

(i) 2314 (ii) 35056 (iii) 810524

11. Test the divisibility of the following numbers by 7:

(i) 6021 (ii) 117 (iii) 25368

12. Give the prime factorization of each of the following numbers:

(i) 420 (ii) 9317 (iii) 1197

13. Find the HCF of the numbers in each of the following, using prime factorization method :

(i) 72, 108, 180 (ii) 106, 159, 371 (iii) 84, 98

14. Show that the following pairs are co- primes:

(i) 59, 97 (ii) 512, 945 (iii) 161, 192

15. Find the greatest number which divides 615 and 963, leaving remainder 6 in each case.

16. Find the LCM of the number: 16, 28, 40, 77

17. Find the HCF of the numbers: 693, 1078

18. Find the LCM and HCF of:

(i) 117, 221 (ii) 234, 572 (iii) 861, 1353

19. Write the next three whole numbers after 30999.

20. Which is the smallest whole number?

21. Write down three consecutive whole numbers just preceding 7510001.

22. Find the sum of 645, 287 and 413.

23. Find the sum by suitable rearrangement:

(i) $847 + 306 + 453$ (ii) $1852 + 653 + 1648 + 547$

24. Find the value of the following using various properties

(i) $647 \times 13 + 647 \times 7$ (ii) $9870 \times 561 - 9870 \times 461$

25. The product of two whole numbers is zero. What do you conclude?