

Q20. Write two situations for the following where brackets would be necessary:

(a) $8(16-4)$

(b) $(2+4)(14-2)$

Q21. Give two examples where the number of things counted would be more than 6-digit number.

Q22. You have the following digits 6,2,3,5,9 and 1. Using them make five numbers each with 6 digits

(a) put commas for easy reading

(b) arrange them in ascending order

Q23. Name five large cities in India. Find their population. Also, find the distance in kilometres between each pair of cities.

Q24. Estimate the following according to the general rule:

(a) $5783 - 437$

(b) $3782 + 8279$

(c) 738×323

Q25. Write first five multiples of 72.

Q26. Write all the prime numbers less than 32.

Q27. Express 44 as the sum of two odd primes.

Q28. Write seven consecutive composite numbers less than 100 so that there is no prime number between them.

Q29. Write all the factors of 78.

Q30. Write five pairs of prime numbers less than 25 whose sum is divisible by 3.

PROJECT WORK:

Group 1: Make a photo frame on "RAMANUJAN - The Great Mathematician". You need to make a picture of Ramanujan and write the important contributions of him (In not more than 50 words).

Group 2: Make a Rangoli design with the help of different geometrical shapes you know (2D only).

Group 3 : Make the place value model using paper cups and writing down the large numbers and their place values on it.

Group 4 : Make a Designer Township with the help of the different geometrical shapes you know (2D only).

Group 5: Make a Designer Symmetrical Pattern with the help of ink blot and paper folding and decorate it.

MATHEMATICS

Q1. Fill in the blanks:

- If the product of two whole numbers is zero then _____ of them will be zero.
- Every natural number except _____ has a predecessor.
- If we add the number _____ to the collection of natural numbers, we get the collection of whole numbers
- Place value of 7 in '3627992' is _____.
- Expanded form of 3920671 is _____.
- Number name of 63728729 in Indian system of numeration is _____.
- Number name of 782678926 in International system of numeration is _____.
- _____ is the smallest whole number.
- Whole numbers are closed under _____ and _____.
- Division by _____ is not defined.
- If we add _____ to a number, we get its successor.
- 786 when estimated to the nearest tens is _____ and when estimated to the nearest hundreds is _____.

Q2. Medicine is packed in boxes, each weighing 5kg 600g. How many such boxes can be loaded in a van which cannot carry beyond 260kg?

Q3. A student multiplied 1234 by 67 instead of multiplying by 76. By how much was his answer lesser than the correct answer.

Q4. Sunny is a famous cricket player. He has so far scored 8932 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?

Q5. Starting from the smallest 9 digit number, write the next five numbers in the ascending order.

Q6. Write the predecessor for the following numbers:

- 72731731
- 3932802201

Q7. Write the successor for the following numbers:

- (a) 32891210
- (b) 98752122

Q8. Write the following in roman numerals:

- (a) 329
- (b) 98
- (c) 121

Q9. Write the following in Hindu - Arabic system of numeration:

- (a) CCCXL
- (b) LXXXVI
- (c) CDXLVI
- (d) XCIX

Q10. The canteen charge Rs. 50 for lunch and Rs. 20 for milk for each day. How much money do you spend in 4 days on these things?

Q11. Simplify by using suitable properties (also state them):

- (a) $71 \times 56 + 29 \times 56$
- (b) $135 \times 52 + 135 \times 48$
- (c) $16825 \times 16825 - 16825 \times 6285$
- (d) $569 \times 17 + 569 \times 13 + 569 \times 70$

Q12. If the product of two whole numbers is 1, can we say that one or both of them will be 1? Justify through examples.

Q13. Simplify by using suitable rearrangement:

- (a) $4 \times 927 \times 25$
- (b) $250 \times 60 \times 50 \times 8$

Q14. If you are on a diet and have a breakfast containing 150 calories, a lunch consisting of 350 calories, and a dinner consisting of 1000 calories, then find the sum of the calories consumed that day.

Q15. At a certain school each classroom contains 32 students. How many classrooms will you need for 384 students?

Q16. You are traveling at a constant speed of 55 miles per hour. How long will it take to travel 220 miles?

Q17. The difference between two numbers is 9378263. If the smaller number is 527718, find the greater number.

Q18. The mass of a cylinder filled with gas is 30kg 250g and the mass of the empty cylinder is 14kg 480g. How much is the mass of the gas contained in it?

Q19. Write the expression for each of the following using brackets:

- (a) Six multiplied by the difference of nineteen and two
- (b) Forty nine divided by seven times the sum of one and three