

**CHAPTER 1 KNOWING YOUR NUMBERS**

Q1. Write each of the following numbers in words.

i) 63005 ii) 707075 iii) 3420019 iv) 7865 v) 6547 vi) 90345 vii) 8765 viii) 78654

Q2. Write each of the numbers in expanded form.

i) 15,768 ii) 3,08,927 iii) 24,05,609 iv) 98766 v) 67321 vi) 65409 vii) 90087 viii) 98765

Q3. Write the corresponding numeral for each of the following.

i)  $6 \times 10000 + 2 \times 1000 + 5 \times 100 + 8 \times 10 + 4 \times 1$  ii)  $5 \times 100000 + 8 \times 1000 + 1 \times 100 + 6 \times 100 + 2 \times 10 + 3 \times 1$

Q4. Write the numerals and place the commas correctly.

Nine crore five lakh forty-one ii) Seven crore Fifty-two lakhs twenty one thousand three hundred one

Q5. Find the difference between the place values of the two nines in 79520986.

Q6.. Write the smallest number of the different digits formed by using different digits 3, 1, 0, 5, 7

Q7. The number of persons who visited the holy shrine of Mata Vaishno Devi during the last two consecutive year was 13789509 and 12976498 respectively. How many persons visited the shrine during these two years.

Q8 The sale receipt of the company during a year was Rs 2095648. Next year, it is increased by Rs 670957. What was the total sale receipt of the company during these two years .

Q9. The cost of the chair is Rs 1485. How much will 469 such chairs cost.

Q10. The mass of the brick is 2 Kg 750g. What is the total mass of 14 such bricks.

Q11. The total mass of 8 packets, each of the same size is, 10 kg 600gm. What is the mass of each packet.

Q12. Mr Soni saves RS. 8756 every month. How much money will he save in 13 years.

Q13. Find the difference between the place values and face value of 7 in 2765098.

**CHAPTER 2 WHOLE NUMBERS**

Q1.State true and false. If true, Verify it with the help of two examples

(i) The sum of two odd numbers is an odd number. (ii) The sum of two even numbers is an even number.

(iii) The sum of an even number and an odd number is an odd number.

(iv) Commutativity and associativity are properties of whole numbers.

Q2. What is the difference between the largest number of five digits and the smallest number of six digits?

Q3. Rohit deposited Rs 125000 in his savings bank account. Later he withdrew Rs 35425 from it. How much money was left in his account?

Q4. Determine the product of, the greatest number of four digits and the smallest number of three digits.

Q5. A dealer purchased 125 colour television sets. If the cost of each set is Rs 19820, determine the cost of all sets together.

Q6. The annual fee charged from a student of class VI in a school is Rs 8880. If there are, in all, 235 students in class VI, find the total collection.

Q7. What are the whole numbers which when multiplied with itself gives the same number?

Q8. Which of the following statements are true:

(i)  $10 \div (5 \times 2) = (10 \div 5) \times (10 \div 2)$  ii)  $(35 - 14) \div 7 = 35 \div 7 - 14 \div 7$  (iii)  $35 - 14 \div 7 = 35 \div 7 - 14 \div 7$

Q9. How many whole numbers are between 437 and 487?

Q10. What will be the predecessor of the smallest 3-digit number.

Q11. What is the difference between the largest number of five digits and the smallest number of four digits.

Q12. Write the next three whole numbers after 309999.

Q13. A car moves at a uniform speed of 75 km per hour. How much distance it will cover in 98 hours.

Q14. Find the difference, i) 463- 9 ii) 5632- 99 iii) 8640- 999 iv) 13006 - 9999

Q15. Write the three whole numbers that occur before 1001.

Q16. Write down three consecutive whole numbers just preceding 751001.

Q17. Ravi openend his account in a bank by depositing RS 1360000. Next day he withdraws RS 73129 from it. How much money is left in his account.

Q18. Write the successor and predecessor of, i) 1000 ii) 105677 iii) 99999 iv) 98766

### Chapter 3 PLAYING WITH NUMBERS

Q1. Write all the factors of the following numbers:

(i) 24      ii) 15      iii) 21      iv) 27      v) 42      vi) 56      vii) 108      viii) 120      ix) 198

Q2. Find all the multiples of 8 up to 100.

Q3. Find all the multiples of 9 up to 100.

Q4. Use divisibility tests, determine which of the following numbers are divisible by 4

(i) 572      ii) 726352      iii) 5500      iv) 6645700      v) 8132      vi) 98764      vii) 9800      viii) 9872

Q4. Using divisibility tests, determine which of the following numbers are divisible by 6:

(i) 297144      ii) 1258      iii) 4335      iv) 3336      v) 8769      vi) 9900      vii) 9032      viii) 272

Q5. Make two different factor trees for 60 and 120.

Q6. Find the HCF of the following numbers :

(i) 18, 48      ii) 70, 105, 175      iii) 91, 112, 49      iv) 99, 33      v) 66, 46, 42      vi) 98, 23, 21

Q7. Find the LCM of the following numbers

i) 24, 96      ii) 102, 98      iii) 18, 36      iv) 120, 240, 360      v) 88, 22, 36      vi) 99, 66

Q8. The length, breadth and height of a room are 825 cm, 675 cm and 450 cm, respectively. Find the longest tape that can measure the room's three dimensions exactly.

Q9. Two brands of chocolates are available in packs of 24 and 15 respectively. If I need to buy an equal number of chocolates of both kinds, what is the least number of boxes of each kind I would need to buy?

Q10. What is the smallest number that, when divided by 35, 56 and 91 leaves remainder of 7 in each case?

Q11. What are composite numbers? Can a composite number be odd? If yes, write the smallest odd composite number.

Q12. Use the divisibility test, and determine which of the following is divisible by 11.

i) 4334      ii) 83721      iii) 66311      iv) 137269      v) 901351      vi) 8790322

Q13. Determine the longest tape which can be used to measure exactly length 1050 cm, 750 cm, 425 cm.

Q14. Find the HCF of, i) Two prime numbers      ii) Two consecutive numbers      iii) 2 and an even number.

### CHAPTER 4 FRACTIONS

Q1. Write the natural numbers from 2 to 12. What fraction of them are prime numbers?

Q2. Write the natural numbers from 102 to 113. What fraction of them are prime numbers?

Q3. Convert each of the following into a mixed fraction:

(i)  $28/9$       ii)  $226/15$       iii)  $145/9$       iv)  $622/2$       v)  $359/15$       vi)  $666/11$       vii)  $896/9$       viii)  $908/8$

Q4. Reduce each of the following fractions to its lowest term (simplest form):

(i)  $40/75$       ii)  $42/28$       iii)  $12/52$       iv)  $350/50$       v)  $36/72$       vi)  $666/9$       vii)  $108/3$       viii)  $6600/764$

Q5. Arrange the following fractions in the ascending order:

(i)  $2/9, 7/9, 3/9, 4/9, 1/9, 6/9, 5/9$       ii)  $7/8, 7/25, 7/11, 7/18, 7/10$       iii)  $2/5, 3/4, 1/2, 3/5$

Q6. Solve, and convert it into mixed fraction

(i)  $5/12 + 1/12$       ii)  $3/15 + 7/15$       iii)  $3/22 + 7/22$       iv)  $8/12 + 3/12$       v)  $98/6 + 78/6$

Q7. Find sum, i)  $8/9 + 5/12$       ii)  $5/6 + 3/8$       iii)  $8\frac{3}{4} + 10\frac{2}{5}$       iv)  $5/6 + 7/8$       v)  $18\frac{3}{4} + 7\frac{1}{2}$

Q8. Find difference, i)  $4\frac{1}{5} - 7/10$       ii)  $8 - 11/5$       iii)  $1\frac{5}{6} - 3\frac{5}{9}$       iv)  $5/6 - 4/9$       v)  $5/8 - 7/12$       vi)  $\frac{1}{2} - 3/8$

Q9. Shikha painted  $1/5$  of the wall space in her room. Her brother Ravish helped and painted  $3/5$  of the wall space. How much did they paint together? How much the room is left unpainted?

Q10. Savita bought  $2/5$  m of ribbon and Kavita  $3/4$  m of the ribbon. What was the total length of the ribbon they bought?

Q11. While coming back home from his school. Kishan covered  $17/4$  km by bicycle and  $3/2$  by the foot. What is the distance of his house from the school.

Q12. Mrs Soni bought  $15/2$  litres of milk out of which  $23/4$  litres of milk is consumed. How much milk is left with her.

Q13. In one day, a truck driver earned RS  $137\frac{1}{2}$ . Out of this money, he spent RS  $56\frac{3}{4}$  on food. How much money is left with him.

Q14. Of  $\frac{3}{4}$  and  $5/7$ , which is greater and by how much.

Q15. Out of the given fractions, which is greater.  $3/5, 2/3, 5/6, 7/10$

Q16. Out of the given fractions, which is smallest,  $\frac{3}{4}, 5/6, 7/12, 2/3$ .