

Section A

- Q1. Write in words: a) 234,391,280 b) 309.087
- Q2. Simplify: a) $96 + [18 - \{63 + 7 - (18 - 5 \text{ of } 3)\}]$ b) $215 - [1,320 \div (12 \times 11) + 7 - \{5 - 7 - 5\}]$
 c) $357.36 - 12.98 + 5.697$ d) $(XL + LXX) + (D - CD) + (M - CM)$
- Q3. The L.C.M of two numbers is 703 and the H.C.F is 1. If one of the numbers is 37. Find the other number.
- Q4. Test the divisibility of:- a) 3,954 by 18 b) 26,953 by 22 c) 8,39,465 by 70.
- Q5. Find the greatest number that divides 131,160,223 leaving remainders of 7,5,6 respectively.
- Q6. Four bells ring at intervals of 8,10,12 and 15 minutes respectively. At what time will they again ring simultaneously, if they rang together at 6 a.m.?
- Q7. Sam and Rana go for jogging. Sam jogs for $2\frac{5}{8}$ km and Rana $2\frac{3}{4}$ km. Who jogs more? By how much?
- Q8. Two angles of a Δ are 70° and 45° . Find the third angle.,
- Q9. ABCD is a quadrilateral. $AB=CD$, and $AD=BC$. All interior angles are equal to 90° . Name it.
- Q10. Write the equivalent fraction of $11/15$ whose:- a) Denominator=75 b) Numerator=77
- Q11. Find the prime factors of 256 by the tree method.
- Q12. Arrange $2/5$, $3/4$, $9/10$, $4/7$ in descending order
- Q13. Solve:- a) 25.6×3.953 b) 367.1×9.695 c) $3.5 \div 9.25$ d) $76.5 \div 15.6$
- Q14. Construct the following angles and also write the steps of construction.
 a) 90° b) 120° c) 60°
- Q15. Multiply using the distributive property:- a) 338 by 99 b) 82×104
- Q16. A book of 456 pages has 1,18,104 words in it. How many words are there in each page? If each page consists of 38 lines, how many lines are there in 502 pages?
- Q17. Find the L.C.M and H.C.F of:- a) 36,48, 100 b) 436,832,950

Section B

Q1. What kind of angle is formed between the following directions?

- a) South-West and East
 b) North and West

Q2. Find the product of the place value and face value of 5 in 23,598,129.

Q3. Solve :- $M - [D + (CXIX - XCIX)]$

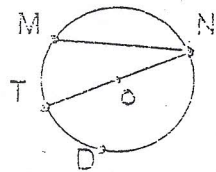
Q4. Find the product of 53 by 102 using the distributive property.

Q5. The product of two numbers is 600. Their L.C.M is 60. Find their H.C.F.

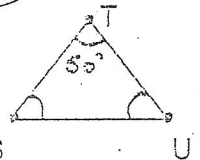
Q6. Simplify : $\frac{1}{4} \div (2\frac{3}{4} \times 5\frac{1}{2})$

Q7. In the adjoining figure

- a) \overline{MN} is the _____
 b) The minor segment is _____
 c) \overline{TN} is the _____ chord of the circle
 d) _____ is the major arc



Q8. In the given figure, $\angle S = \angle U$ and $\angle T = 50^\circ$. Find the measure of each of the equal angles.



Q9. Identify the figure.

- a) A quadrilateral in which $\overline{PQ} = \overline{QR}$ & $\overline{PS} = \overline{SR}$ but $\overline{PQ} \neq \overline{SR}$ and $\overline{PS} \neq \overline{QR}$
 b) A triangle whose all sides are equal.
 c) A quadrilateral in which $\overline{MN} \parallel \overline{PQ}$ but $\overline{MP} \neq \overline{NQ}$
 d) A triangle in which one angle is more than 90° .